

## **CHARACTERS** Design Explorations





# **SONIC** The Hedgehog





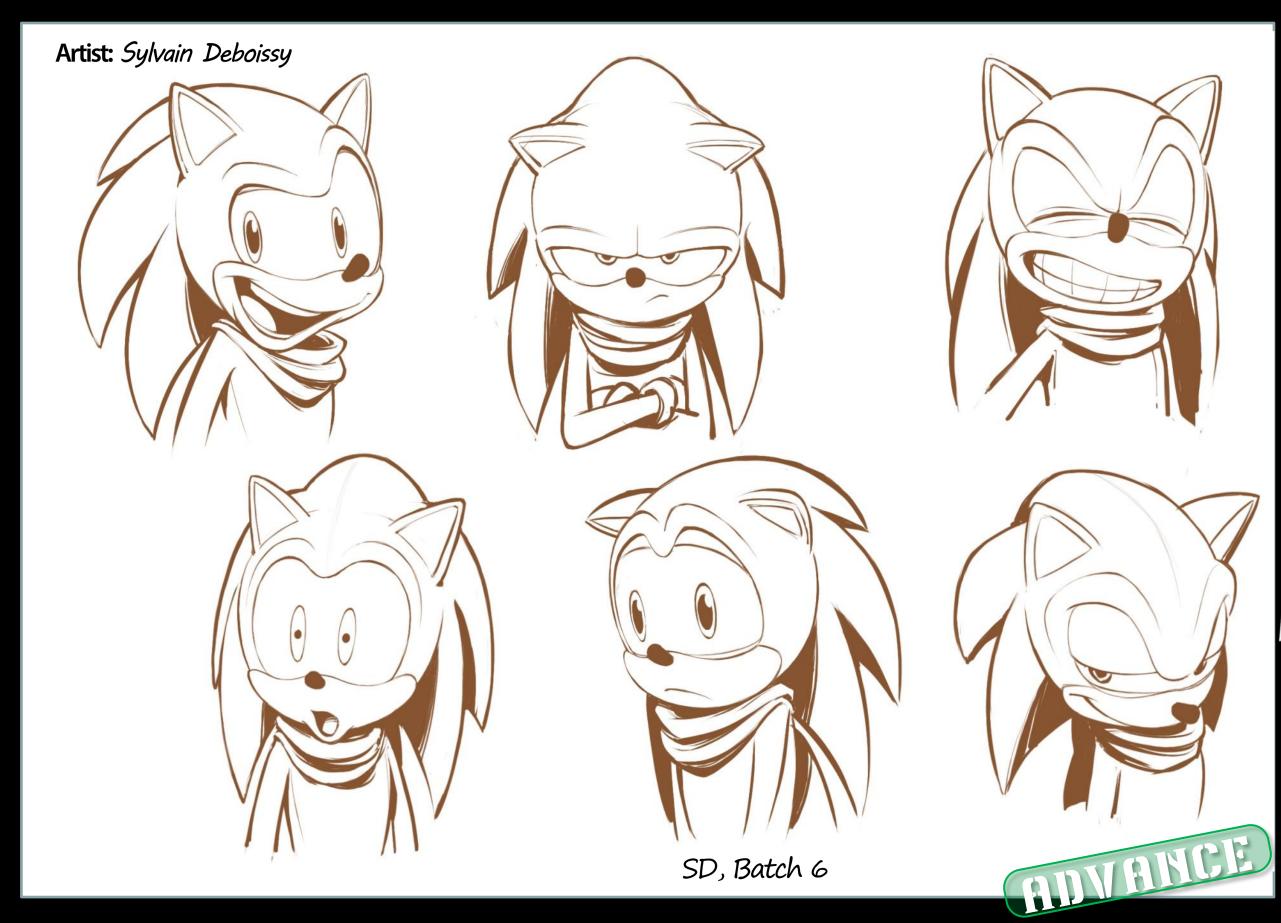


SD, Batch 5







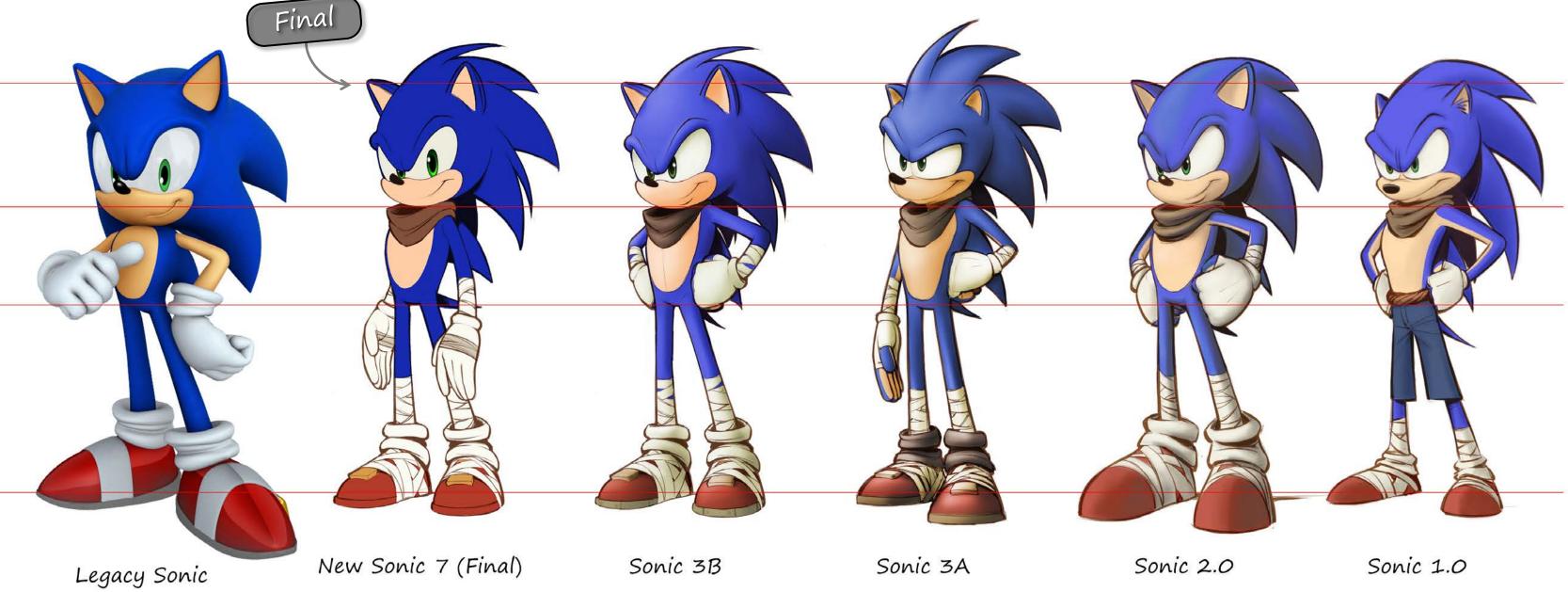


### **Facial Expressions**

The goal is to explore how to break up his baked-in, down browed expression into fuller range of emotions. As with full body expressions starting with a few heroic and masculine expressions (determined, angry, skeptical) to cover his legacy expressions, then explore the wider ranges (concerned, scared, melancholy) as well some fun ones (wtf expression, laughing, smiling, sly, etc).

As for his uni-eye approach, let's treat them like Pixar's Cars for brow expressions in the way of letting the eye lid shapes and where it pinches at center meridian do the job.





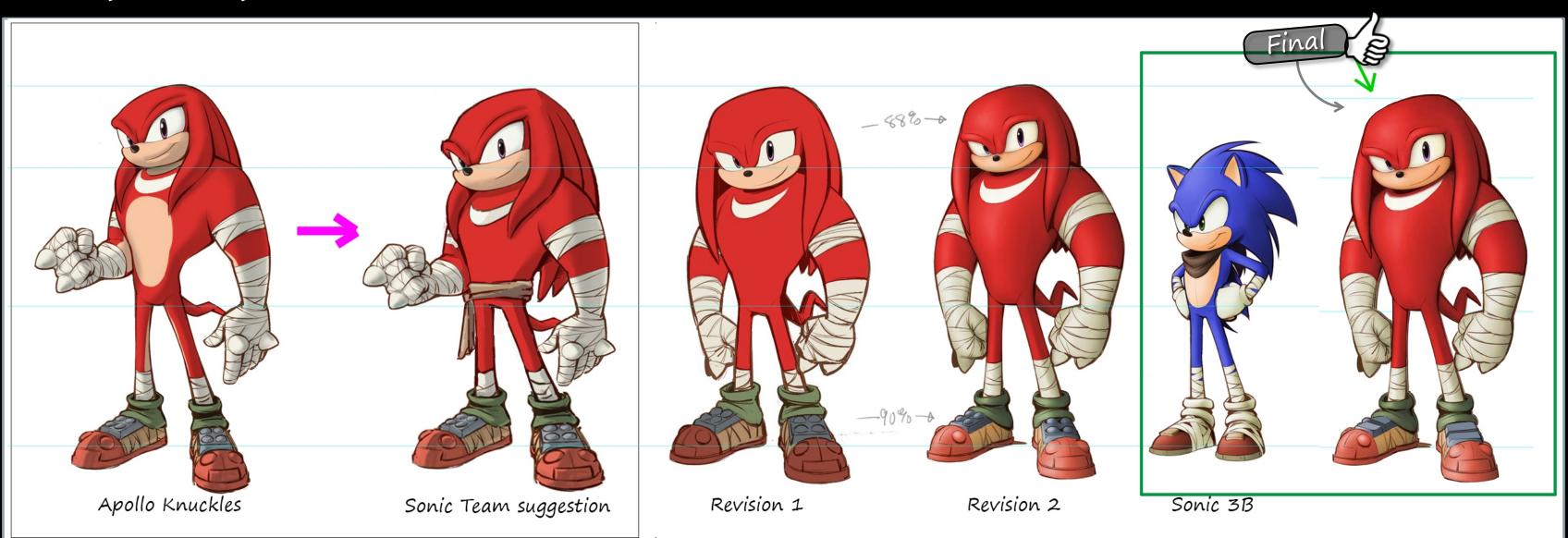




## KNUCKLES The Echidna





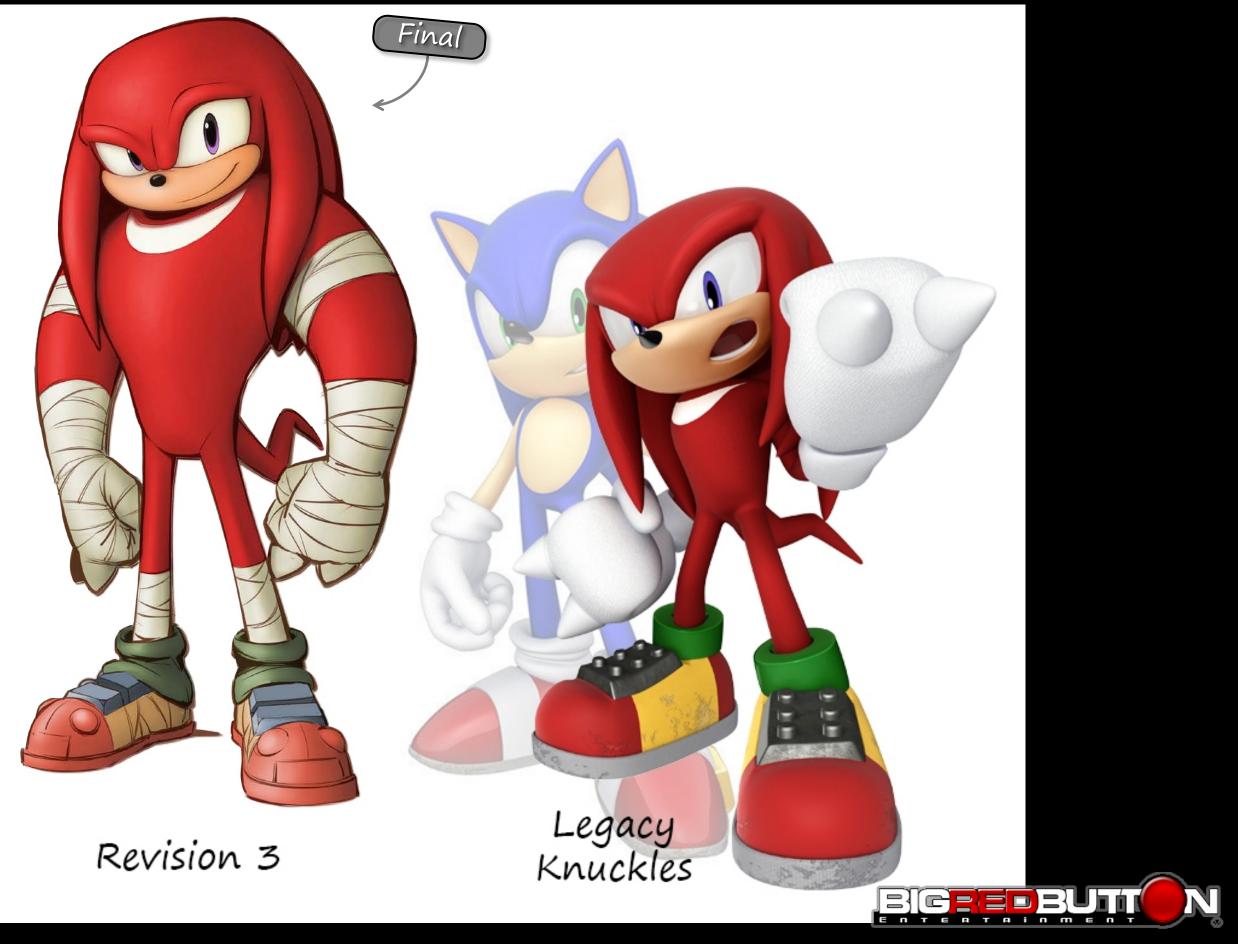


Revised Knuckles based on Iizuka-san's Sonic Team suggested proportions. The main difference is less humanoid waist and less defined lats. **Revision 1** is an attempt to match these proportions in the Apollo style. The proportions on this feel scaled up rather than brawnier anatomy fixed with reduced head and feet sizes, resulting in **Revision 2**. Sonic Team then made subtle adjustment to reduce size, far left.

- Larger proportions ok, request to make less humanoid looking Sketch is suggestion for more preferred proportions
- Head size can be reduced further than in this sketch. Head size should remain the same proportion as current design; about 4 or 4.5 head high.
- Ignore waist sash in design •





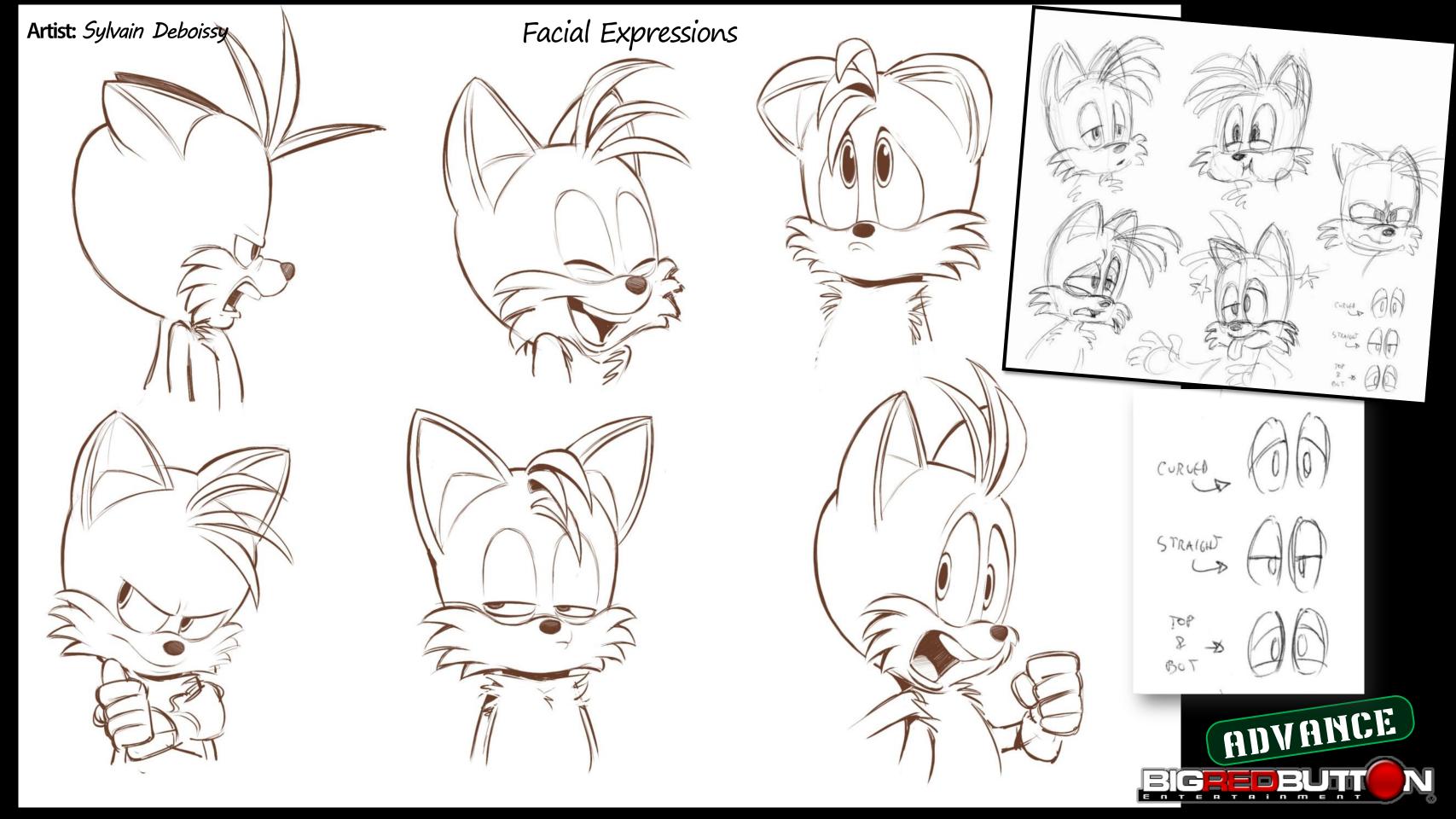




# TALS The Flying Fox









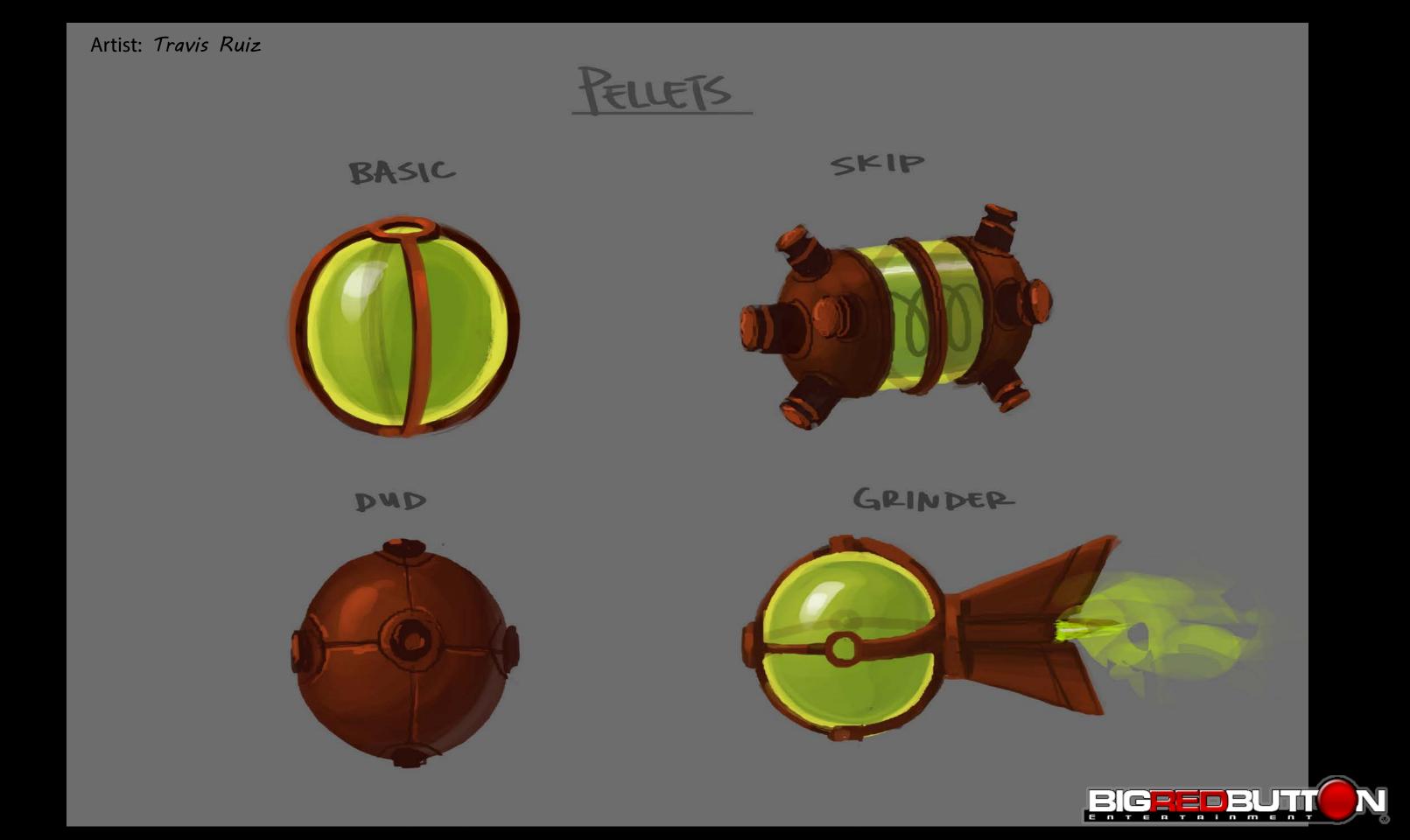




#### TAILS' JETPACK ROUGHS 01A







Artist: Travis Ruiz

### **Buddy Bot**





# AMY The Hedgehog









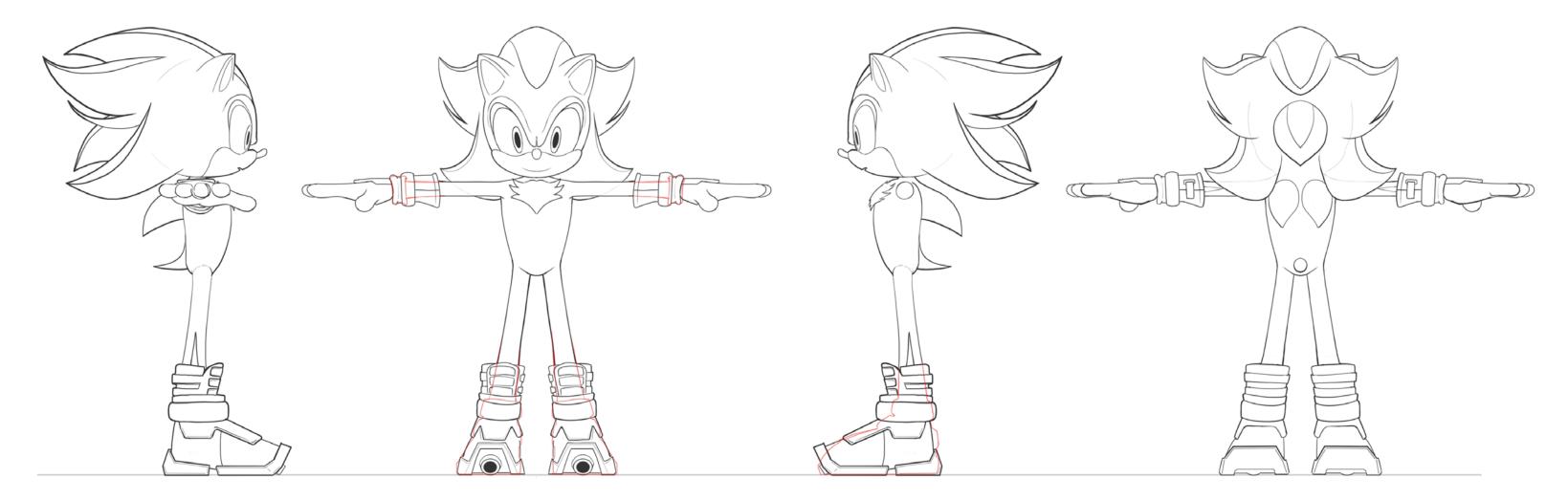








#### Artist: Yuhki Demers

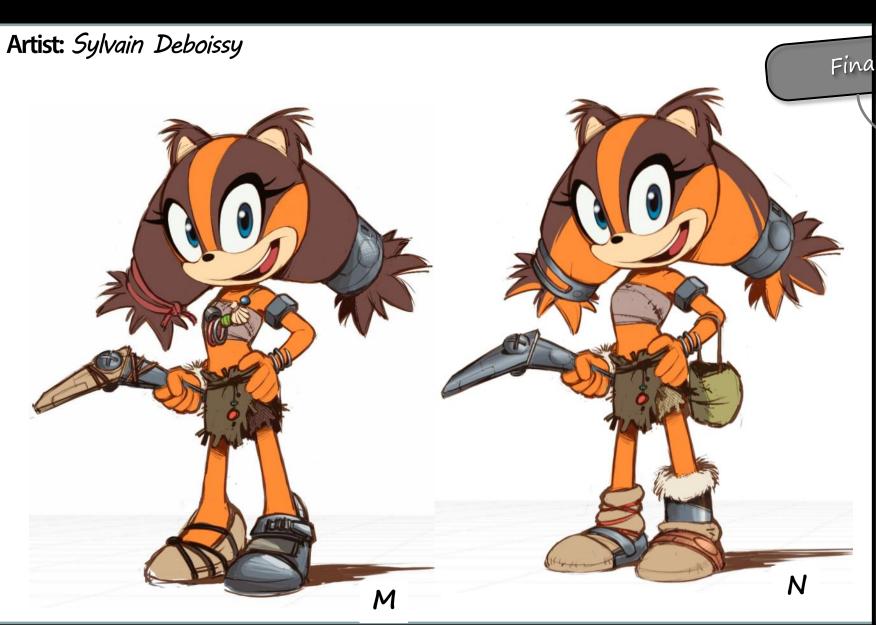


#### Shadow02d Ortho 01a









#### Lemonade feedback

- We agree about going back to the two-tone approach on ponytails from 5A.
- It's feeling a little too asymmetrical... There's so much going on with her
- visually that she pops a little too much in the lineup. I
  love the purse! It makes her look like she's crazy.... which she sort of is, at least fashion-wise. It makes her seem less like a warrior and more like a weirdo who just doesn't get it.
- Could we remove the metal in her left shoe and have it be fully made out of the beige buckskin that's already there, wrapped in some leather strips?
- The amount of color variation is contributing to her popping a little too much in the lineup. We know we don't want to drop the two-tone approach.... but we can reduce the color variation by simplifying the variety of materials in her outfit? Maybe removing the metal from left shoe will help.



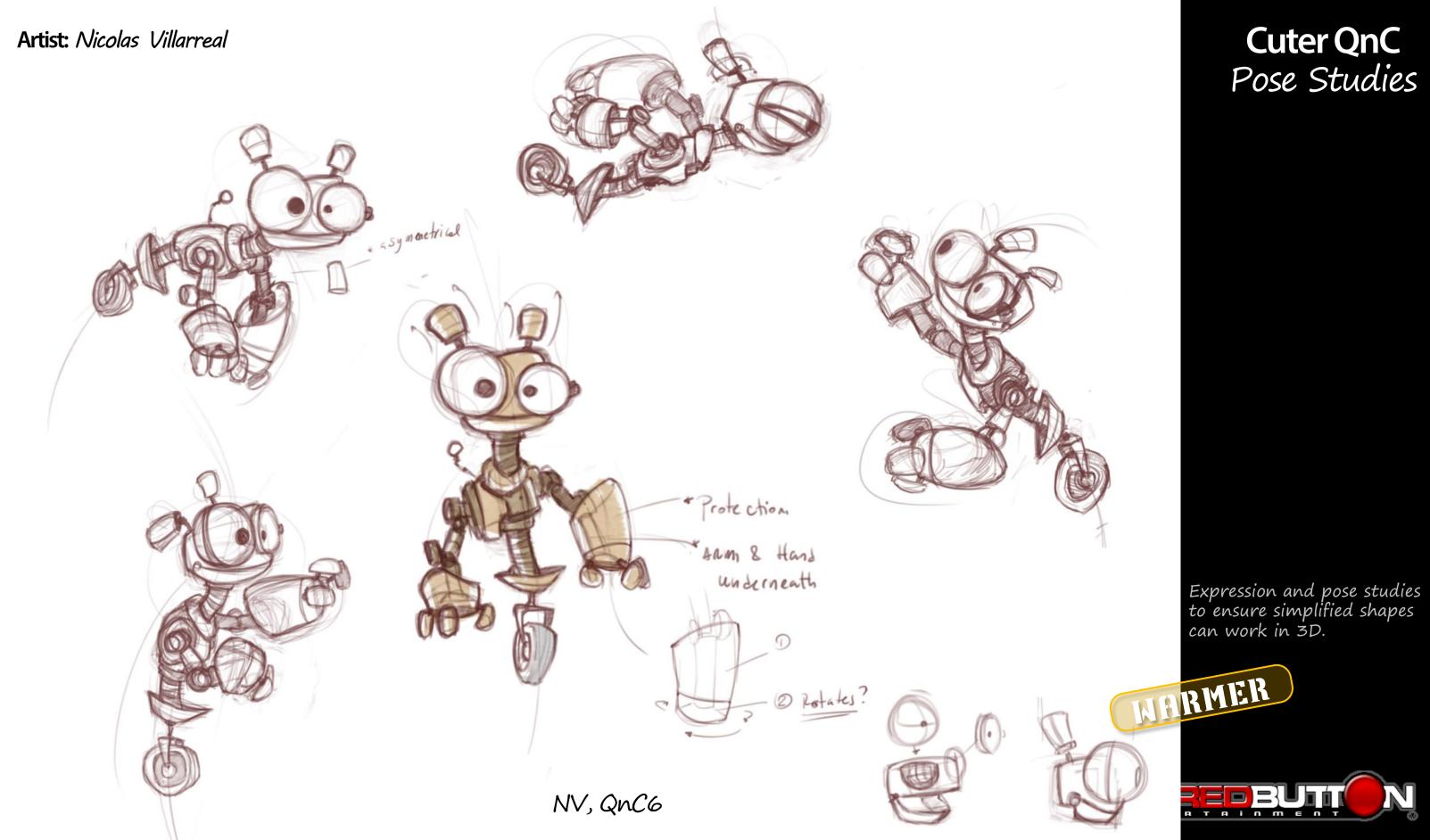
SD, Sticks 5

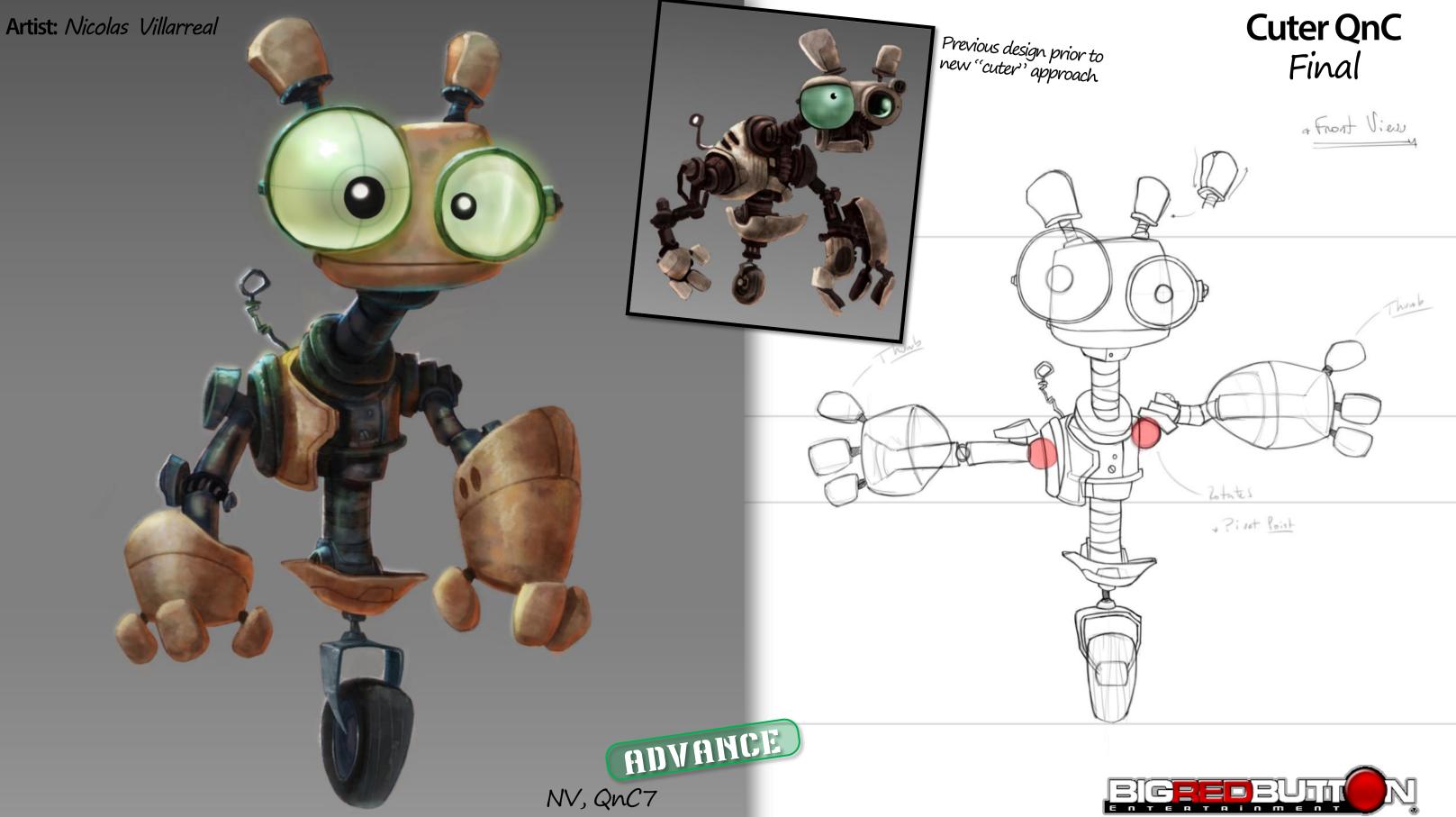








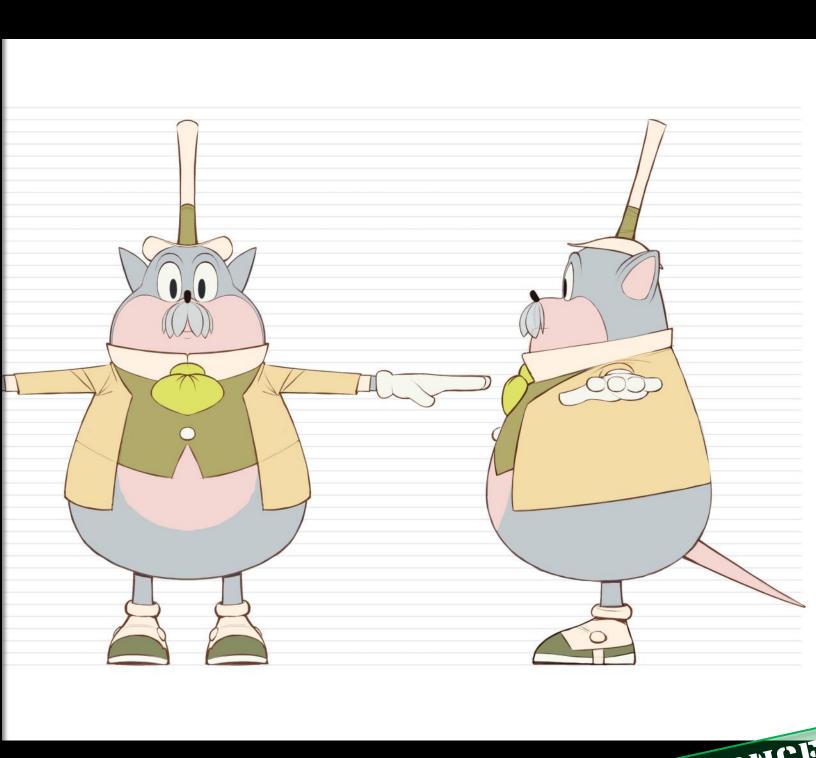




## MAYOR FINK





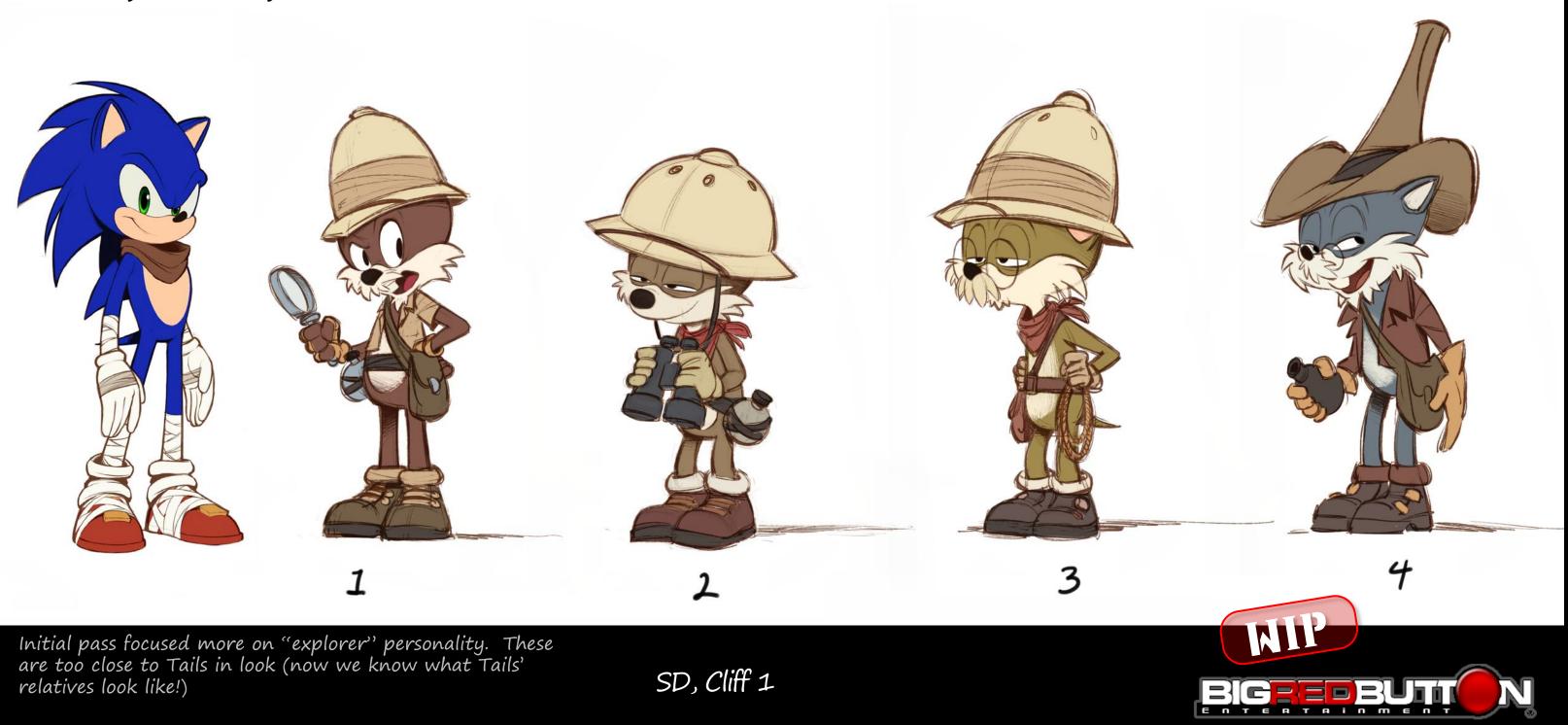


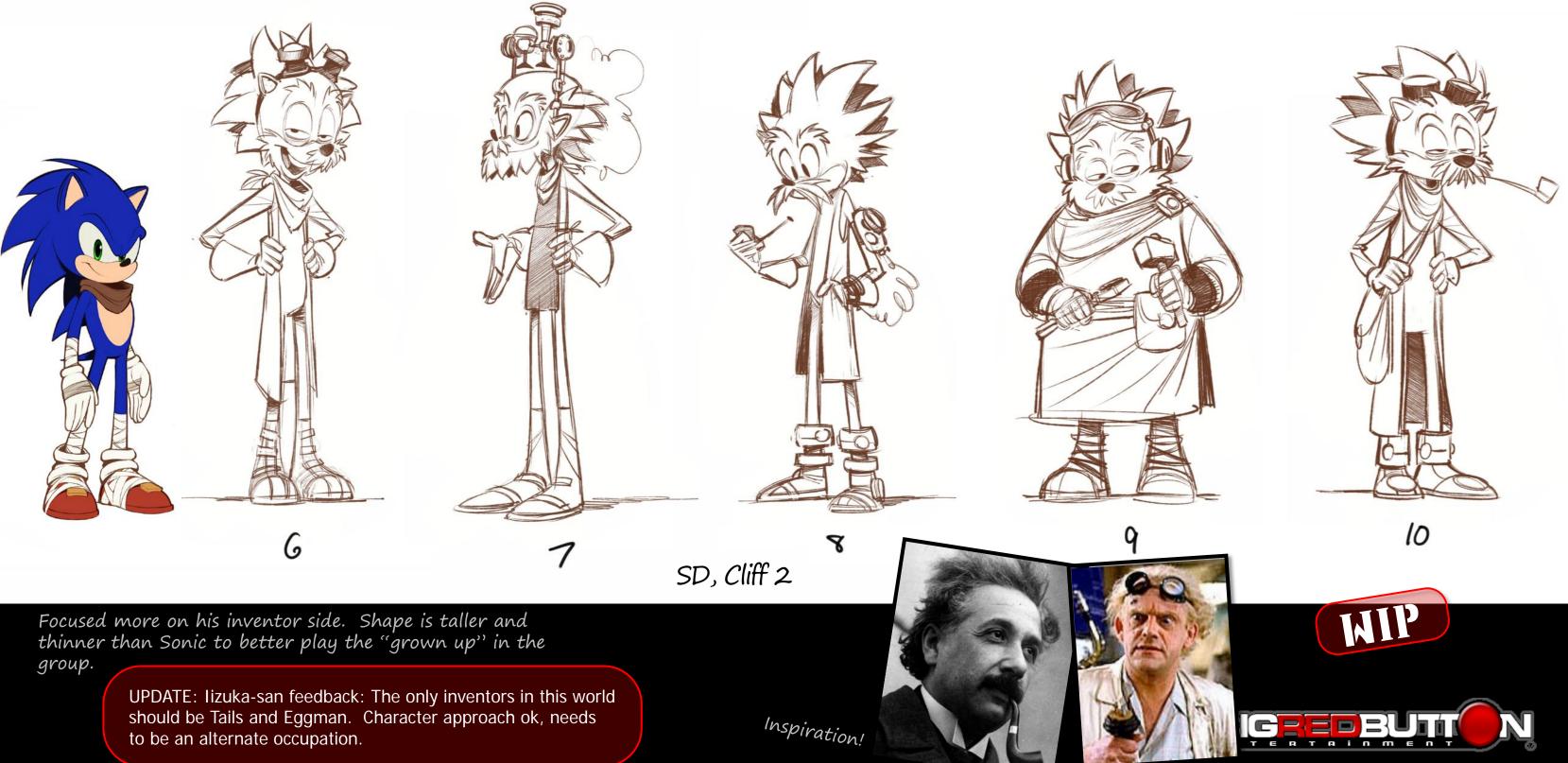
SD, MF-ortho







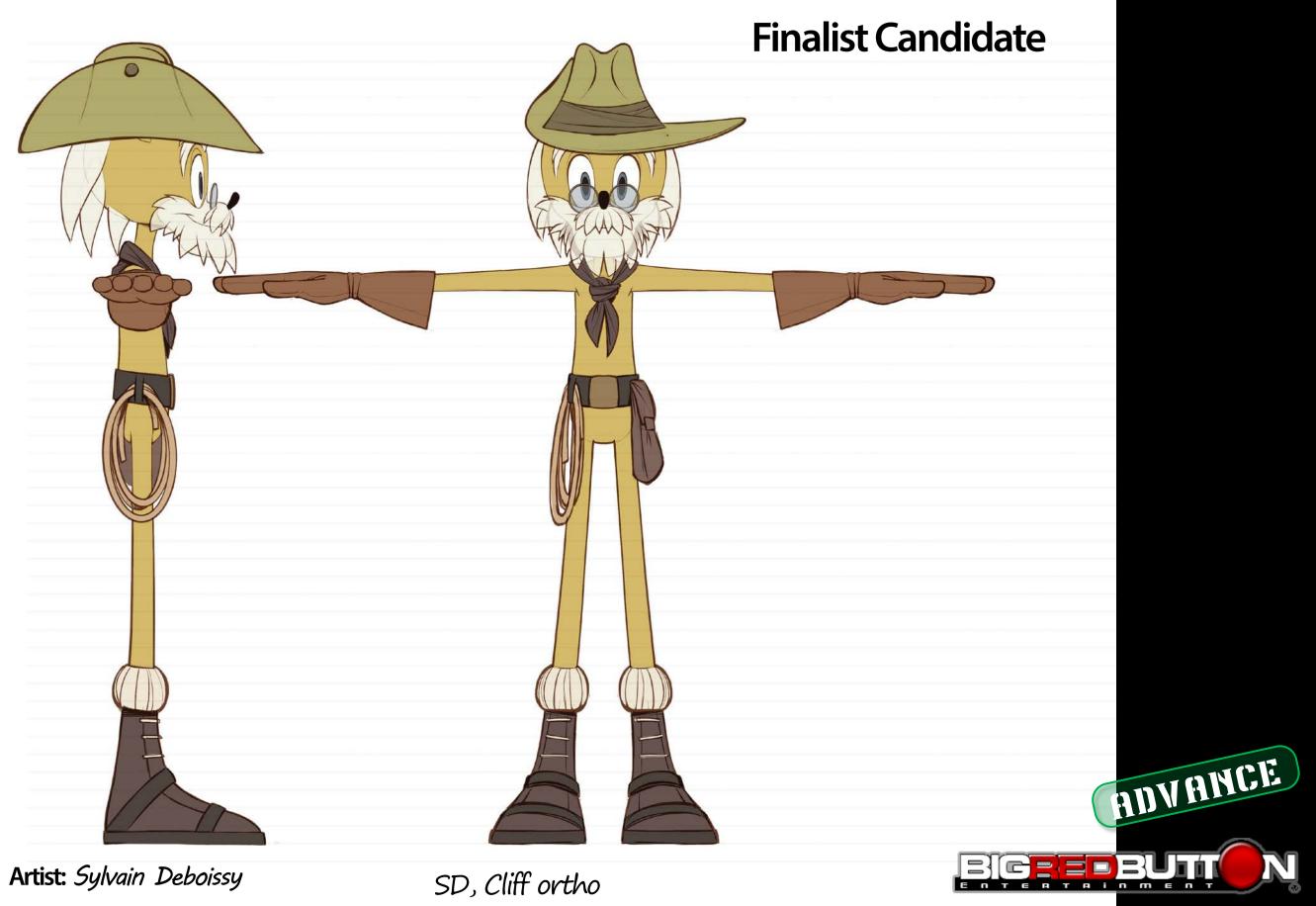




### **Finalist Candidate**







## HOKEY AND POKEY



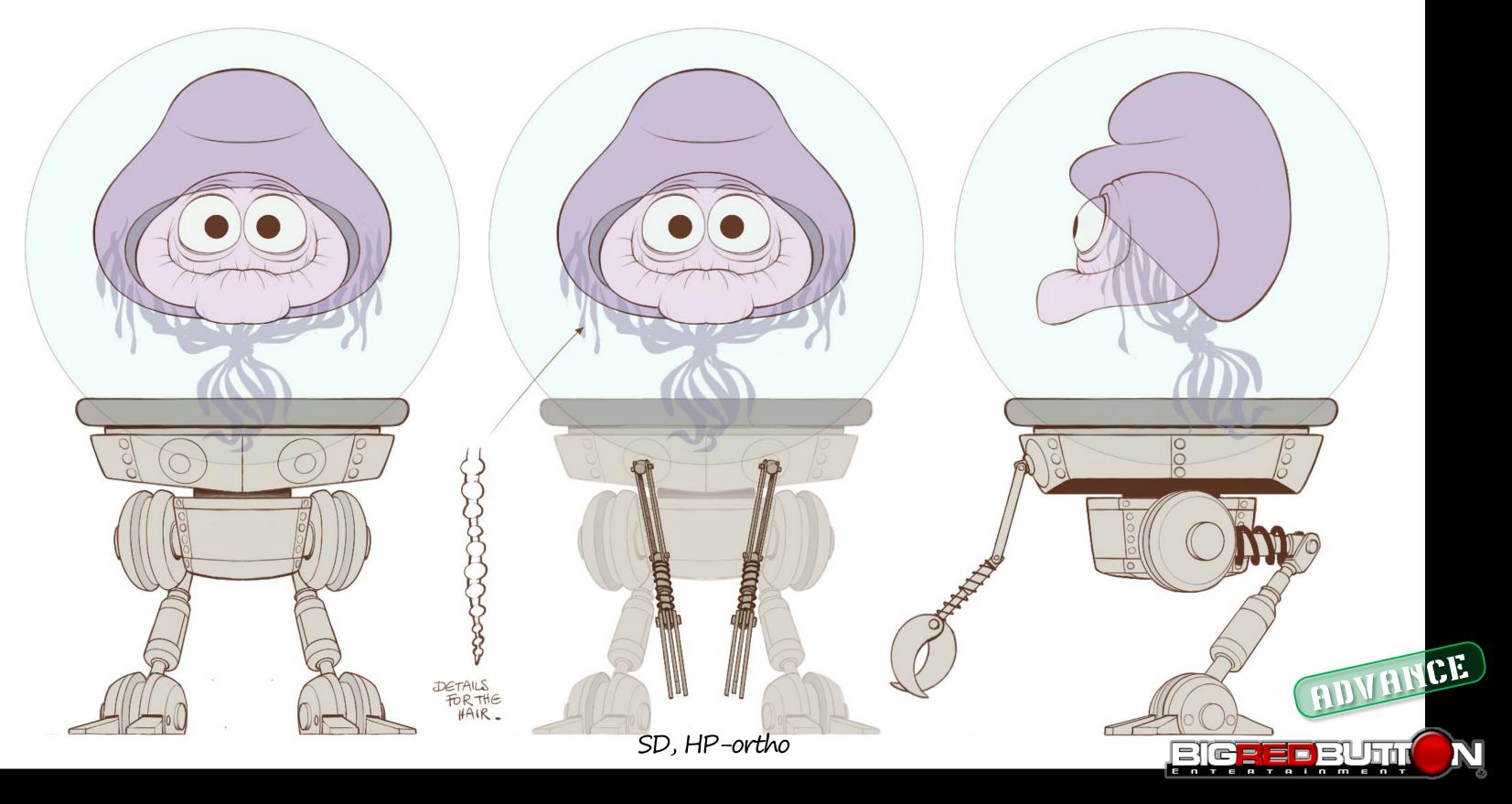


### **Finalist Candidate**





#### **Finalist Candidate**



## **Finalist Candidate**



SD, HP-ortho

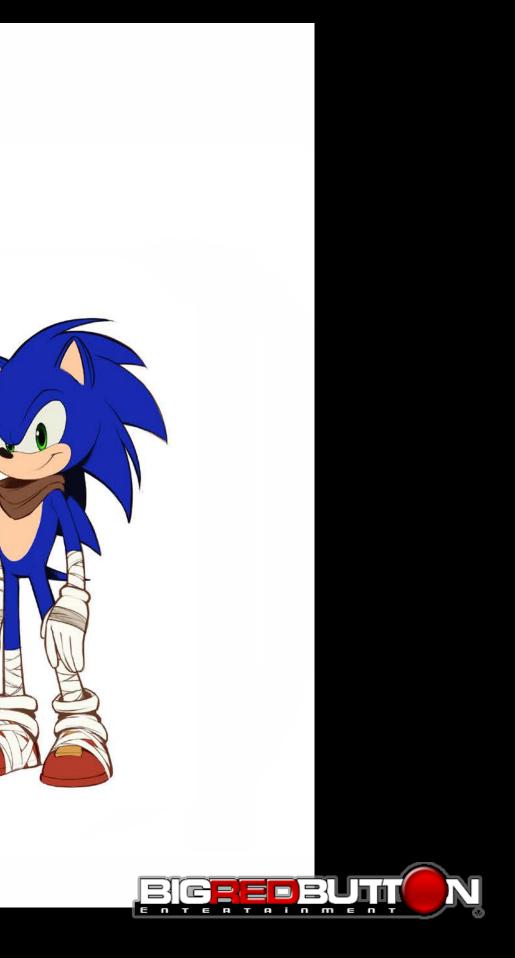




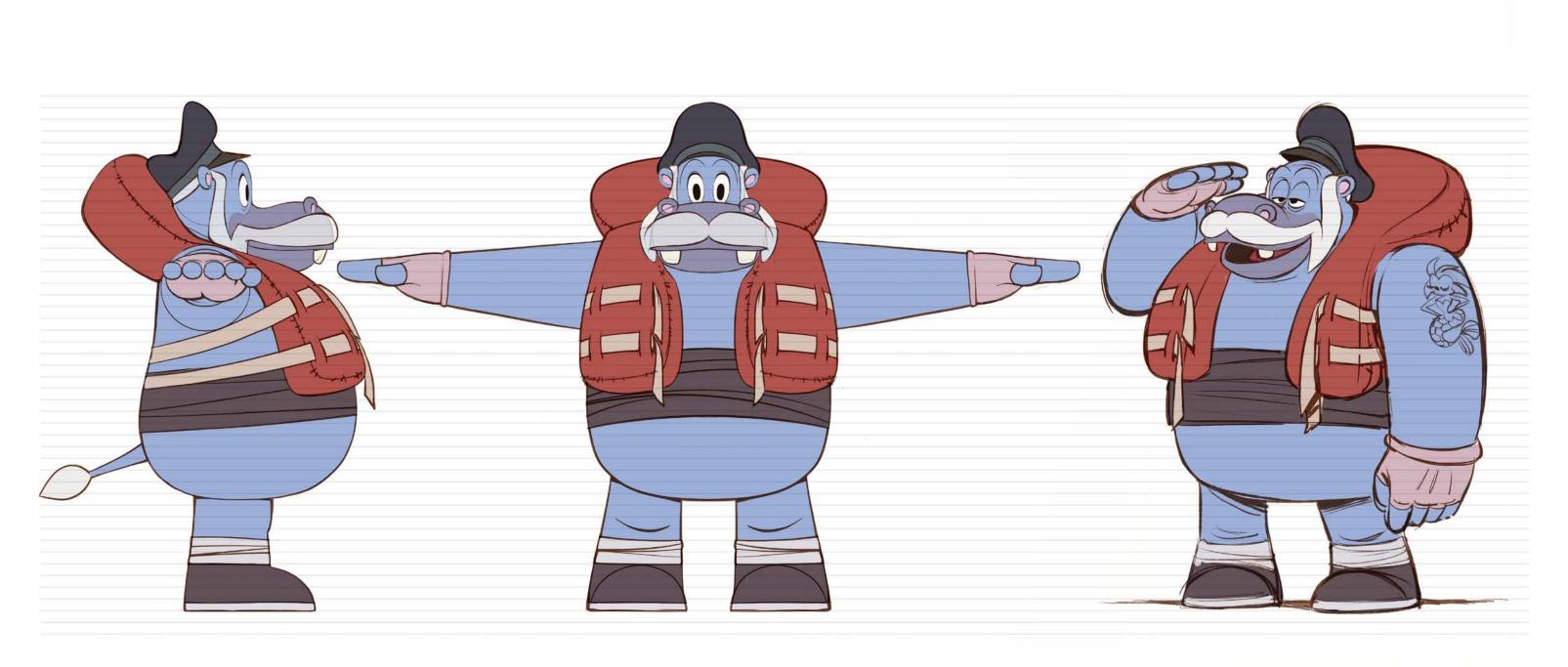
# SALTY & PEPPER







## Captain Hippo Orthos







## **Pepper Orthos**



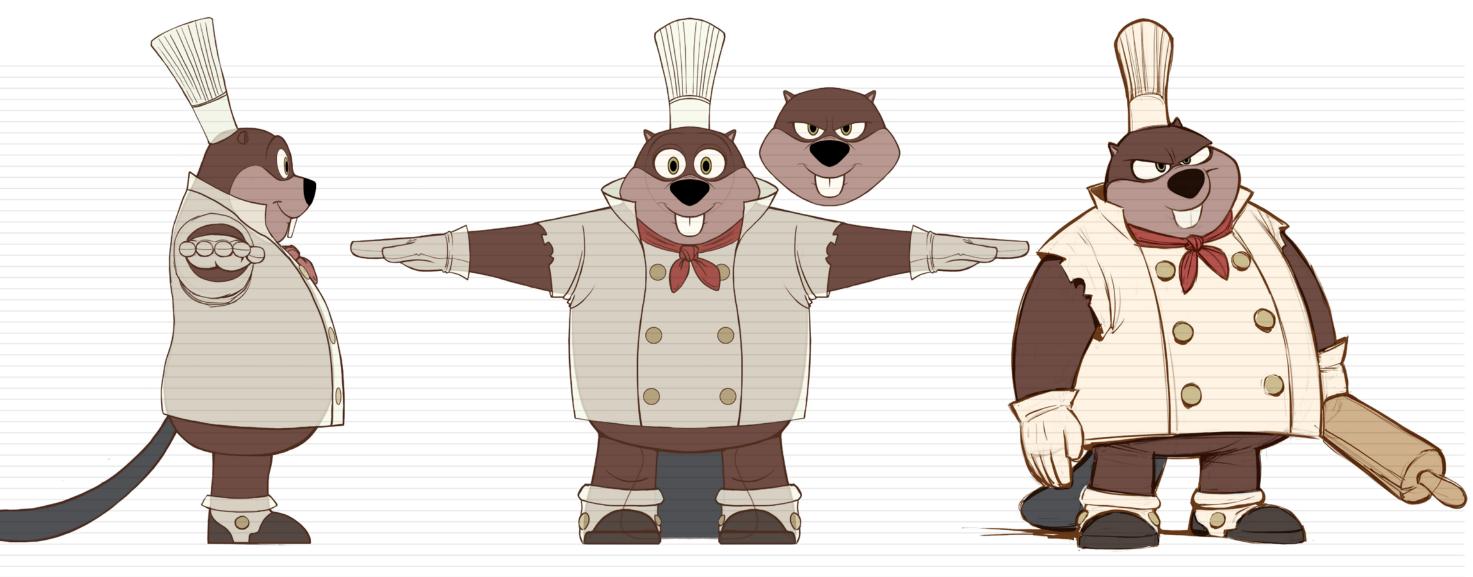








#### Artist: Yuhki Demers

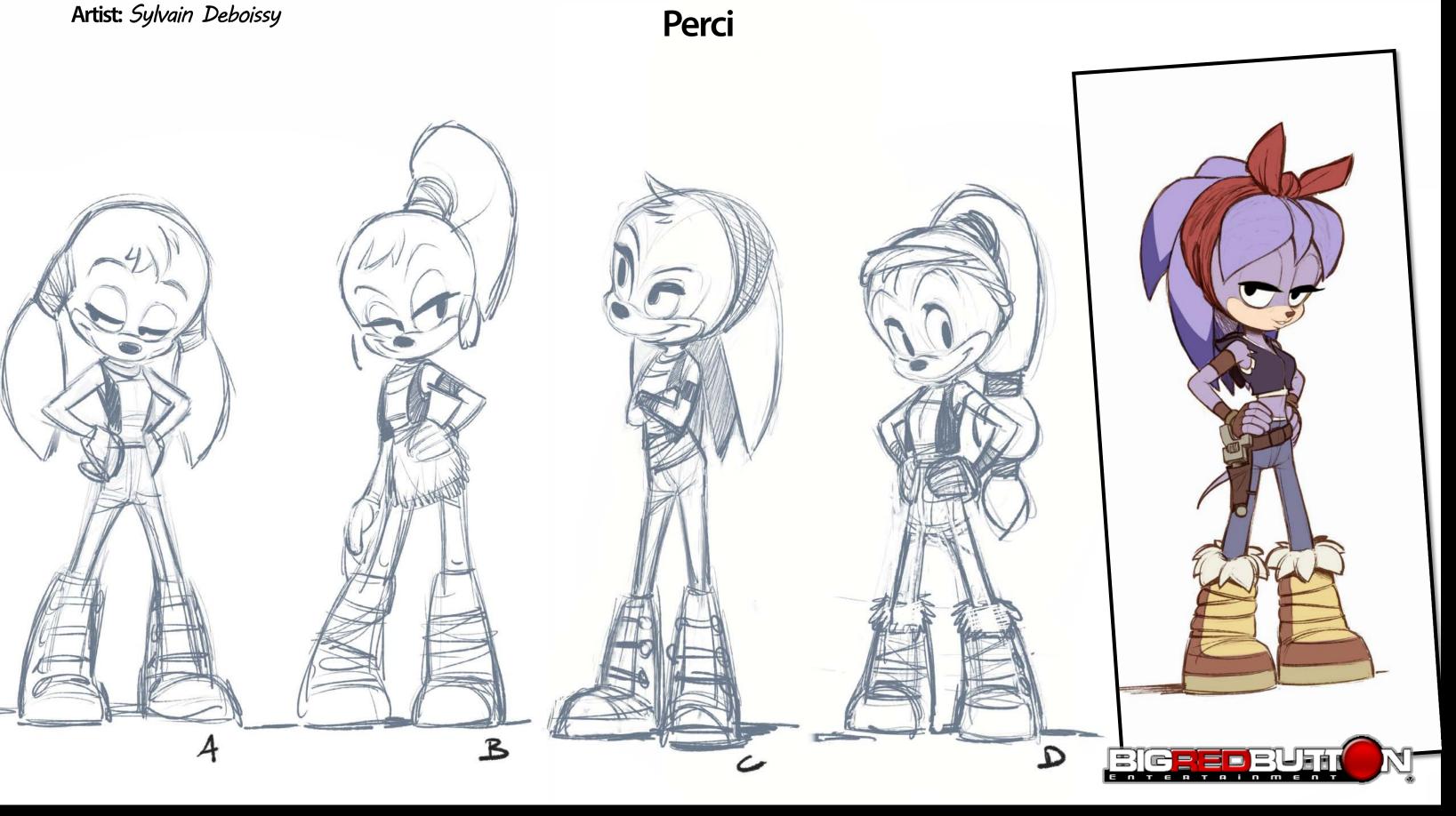


## Chef Ortho 01

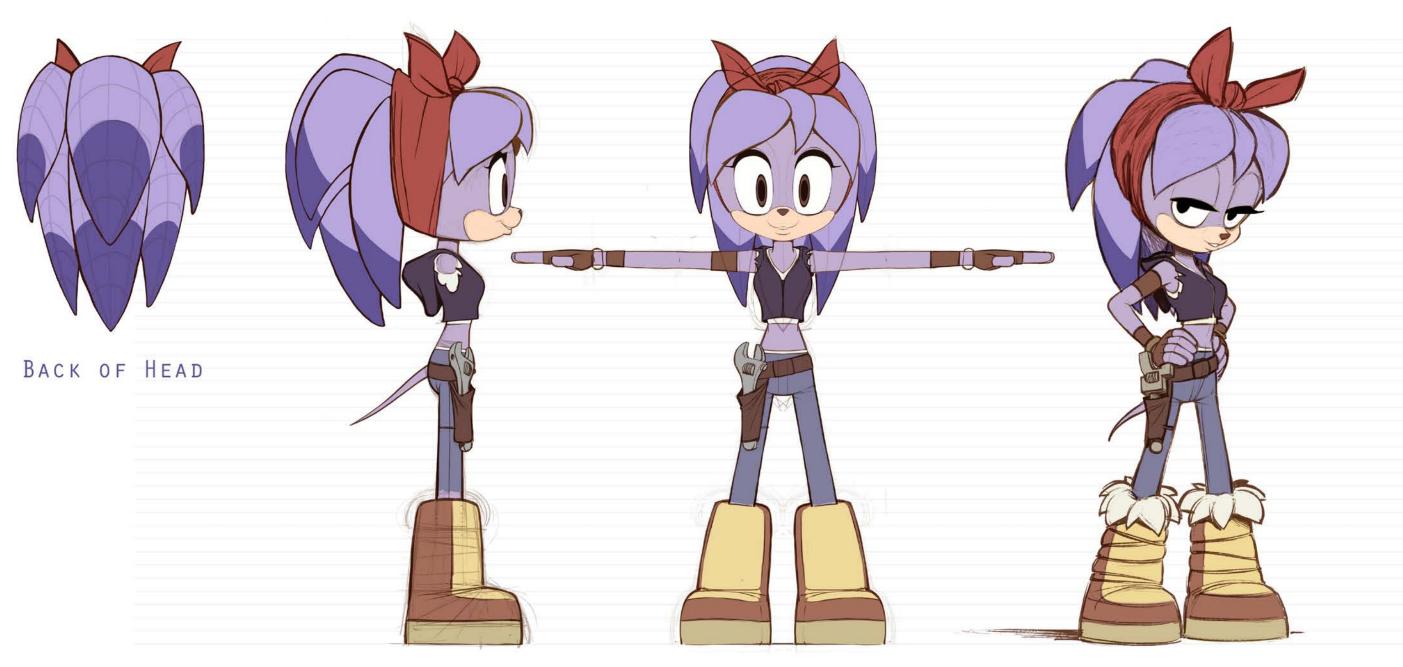








#### **Perci Orthos**



Artist: Sylvain Deboissy

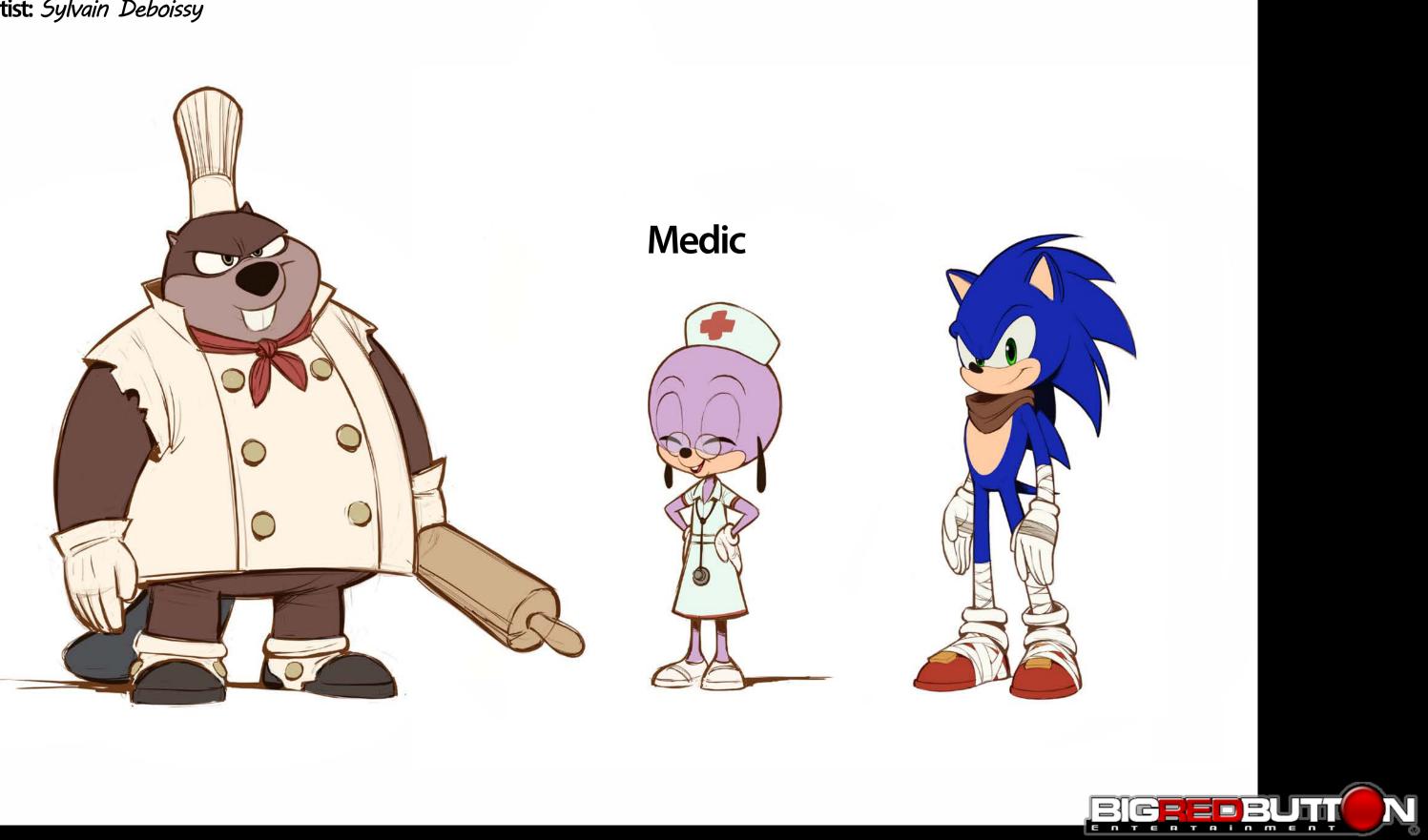


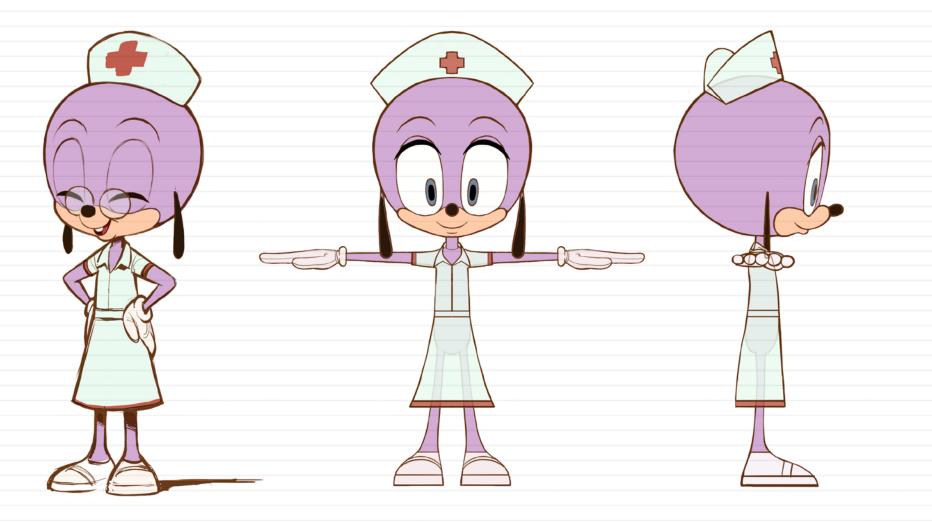
#### Perci v3 Ortho











Artist: Yuhki Demers

### MEDIC ORTHOS 01



# TROUBLED TURTLE









Artist: Yuhki Demers

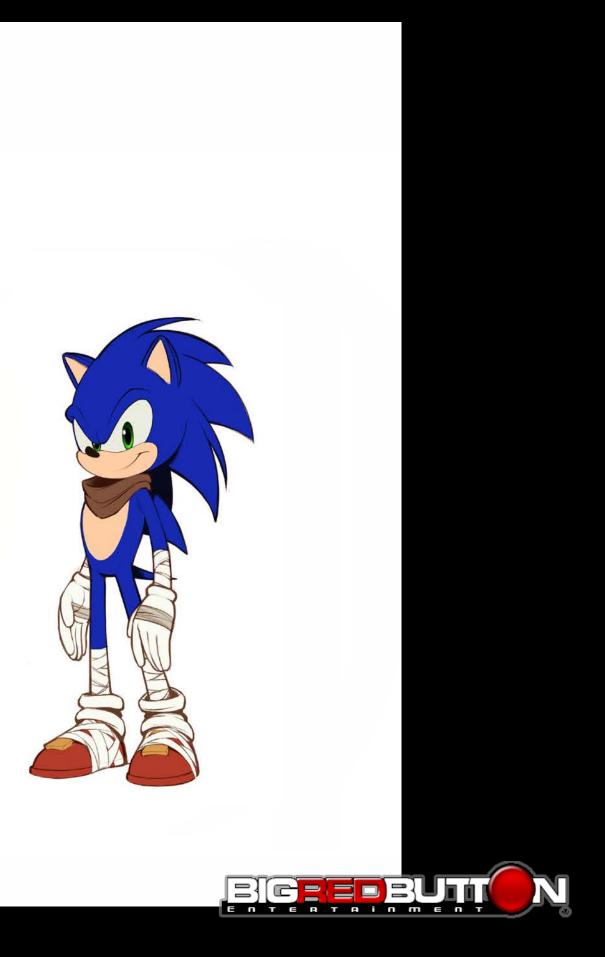


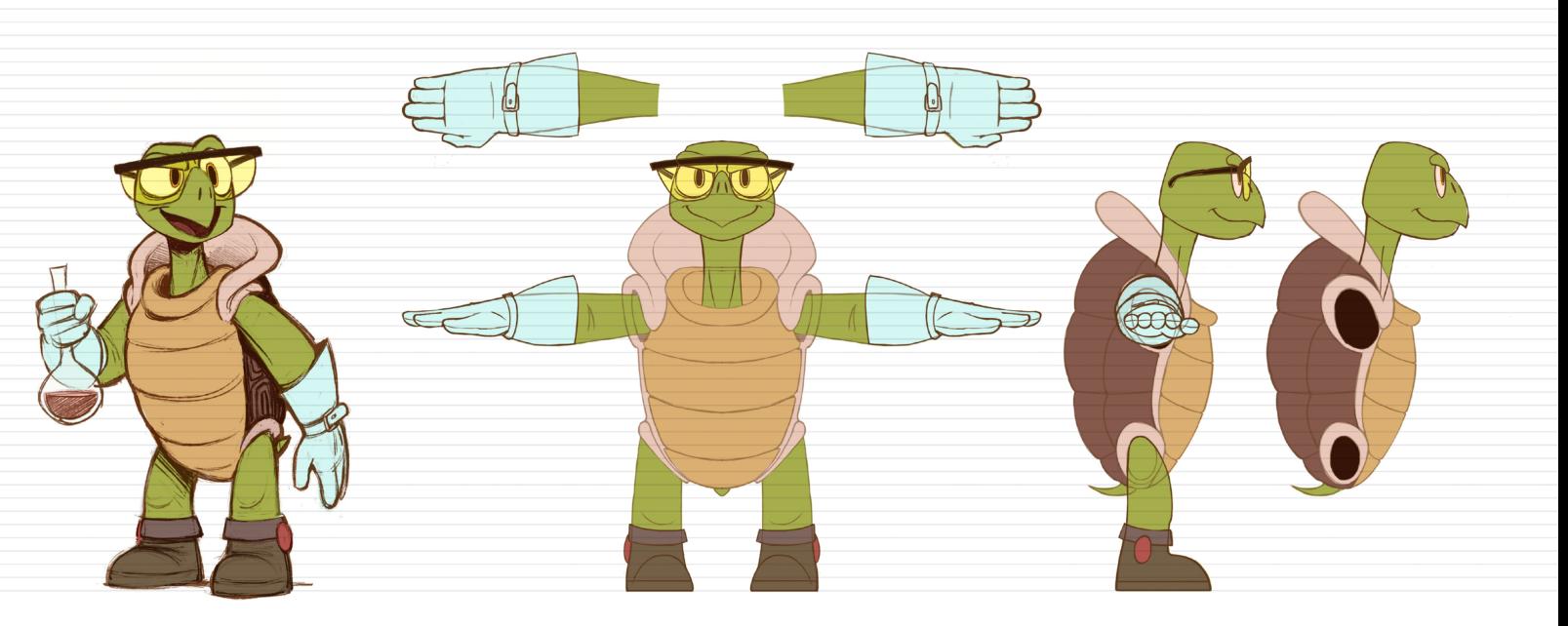
#### TROUBLED TURTLE ORTHOS 01

## Young Turtle - Young









#### Young Turtle Orthos 03

#### Artist: Yuhki Demers



# **MLLAGERS** Ambient Character Studies







Exploring other genders, ages and various laborers, classes and artisans whom inhabit Apollo villages. Females have full outfits.

SD, AV-Batch4







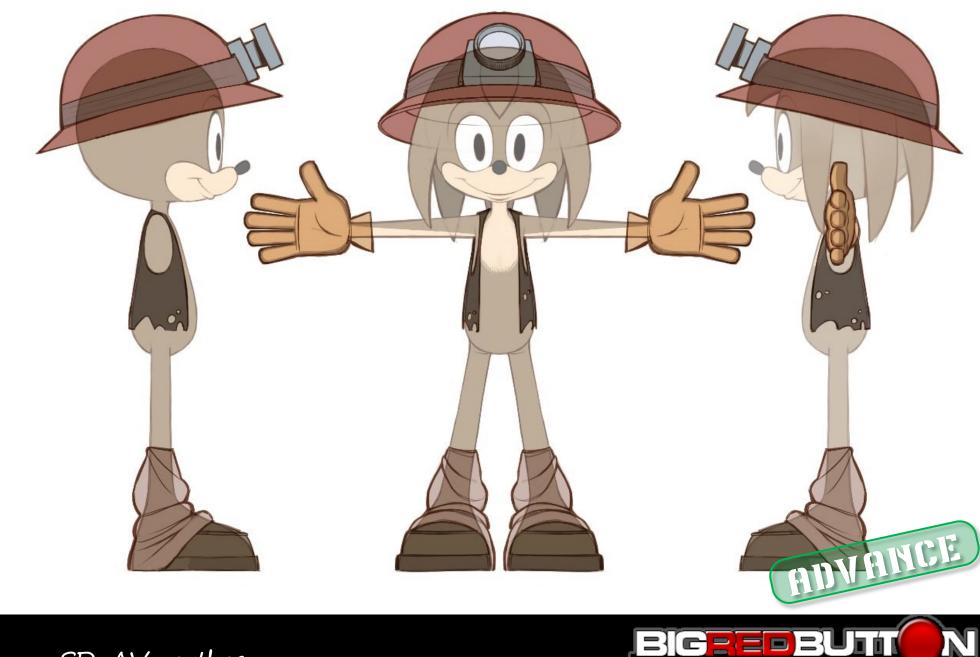
## **Ambient Creatures** Villagers

Villager guidelines - In order to make team feel more special unique the following is needed for villagers;
No Hedgehogs or Echidnas
Must have split eyes
No primary colors, preferred more earth tones or desaturated

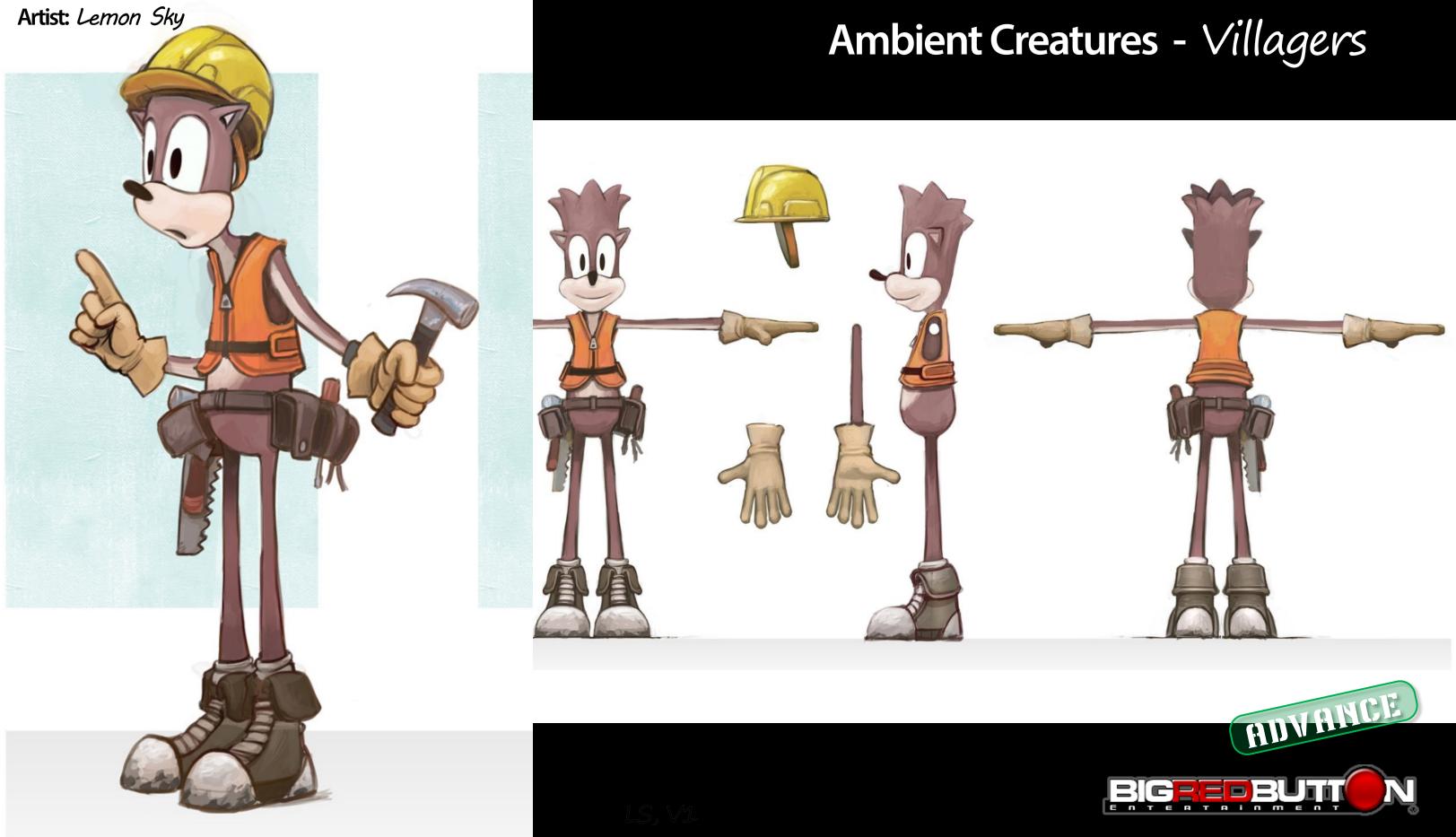
- secondary colors. Follow Sonic style of large head, hands and feet, plus stilt-like legs Males will avoid having clothing around stomach to lower tight
- regions
- Will not have wrappings, reserved only for main team to make

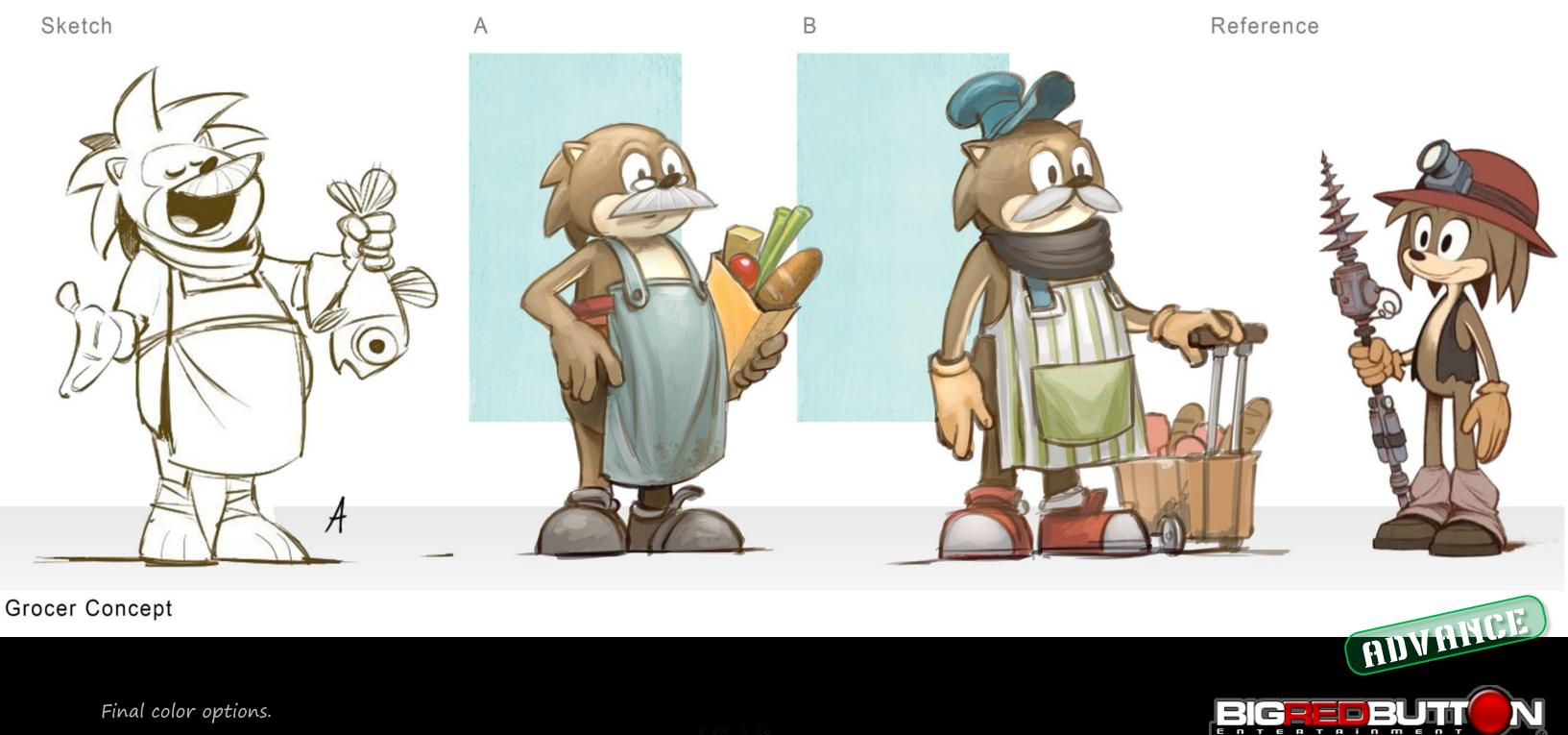


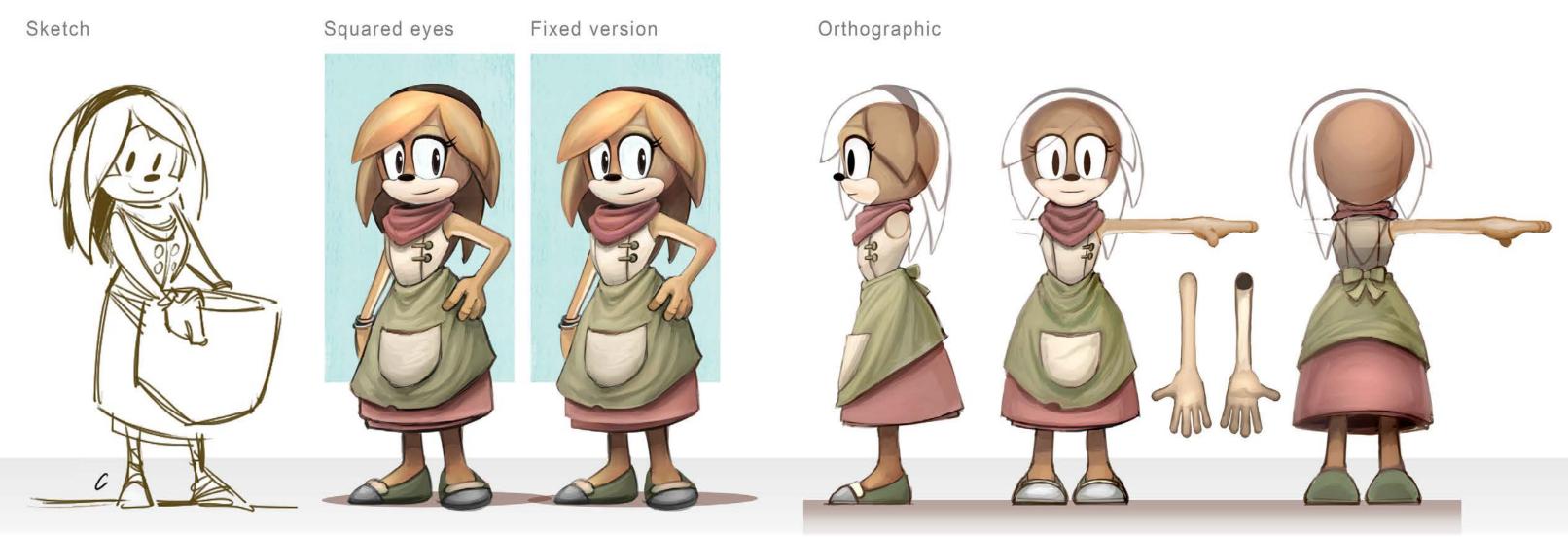




SD, AV-orthos







Villager Female Concept refine 2

LS, VI

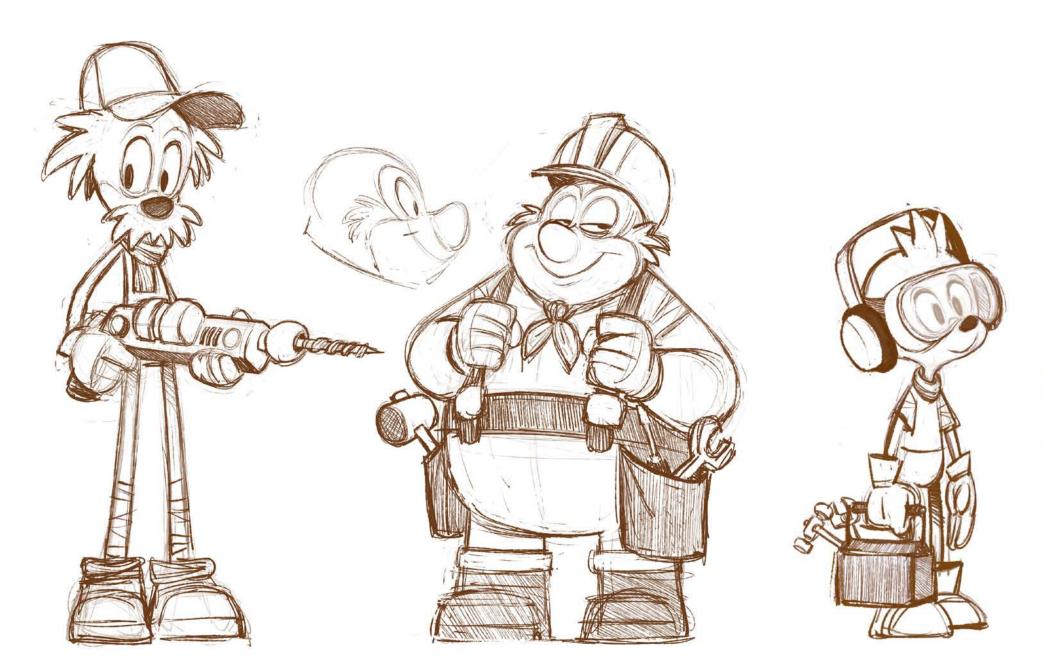


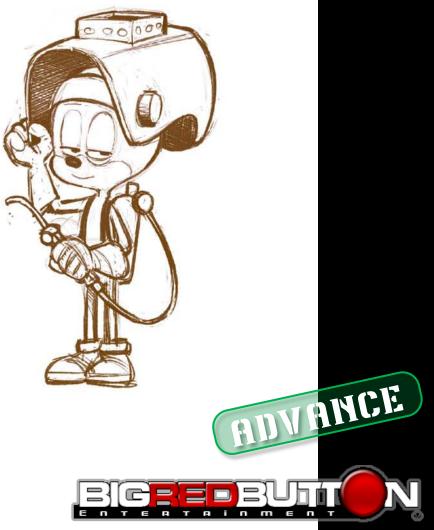


# Hub 01 - Archaeologists



# Hub01 – Construction Workers







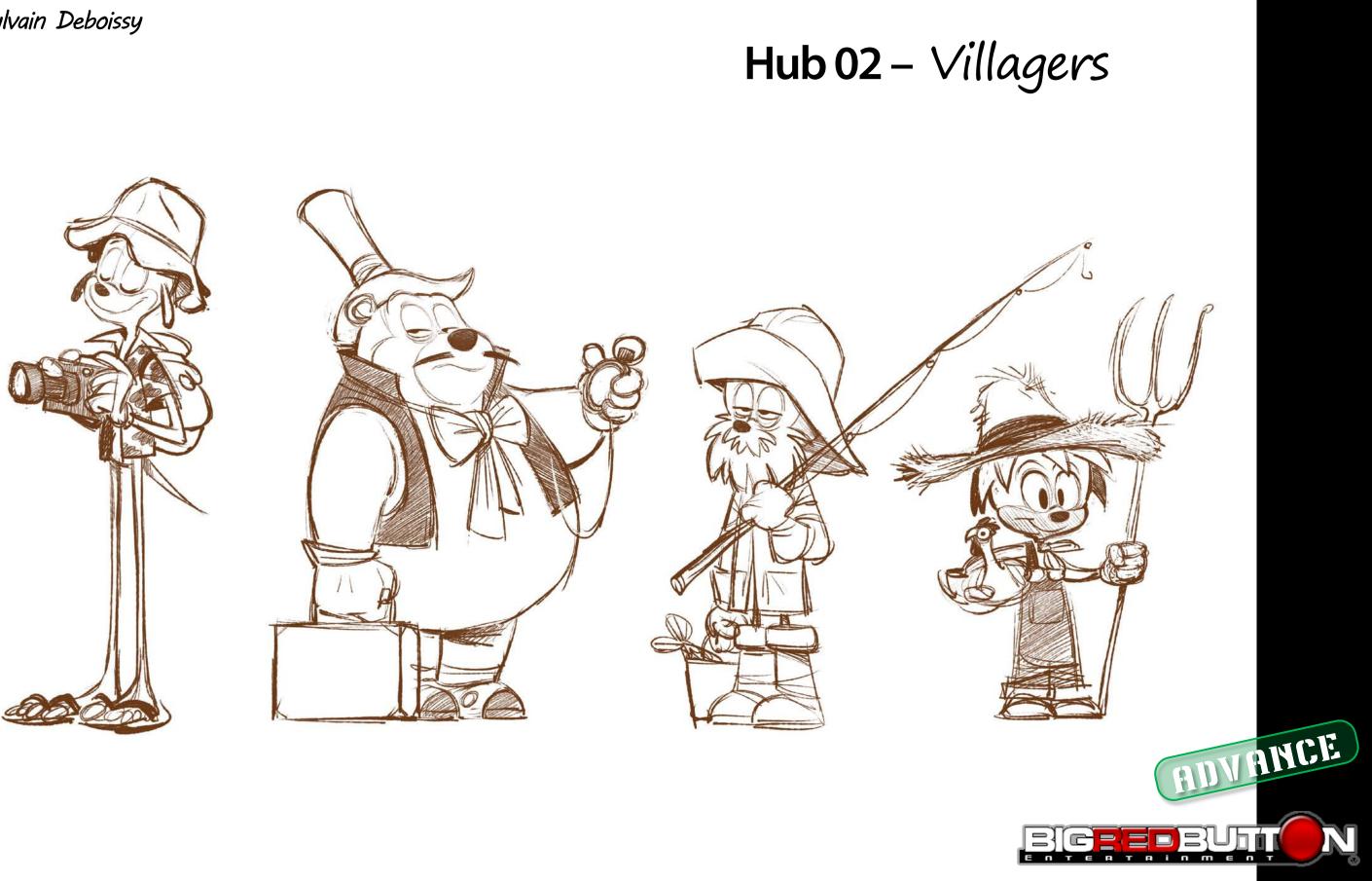


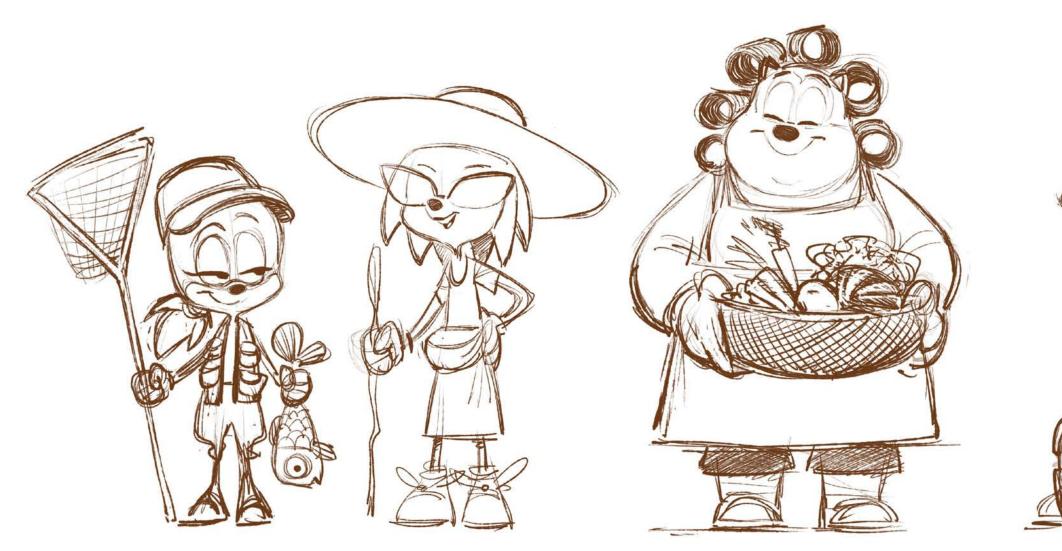




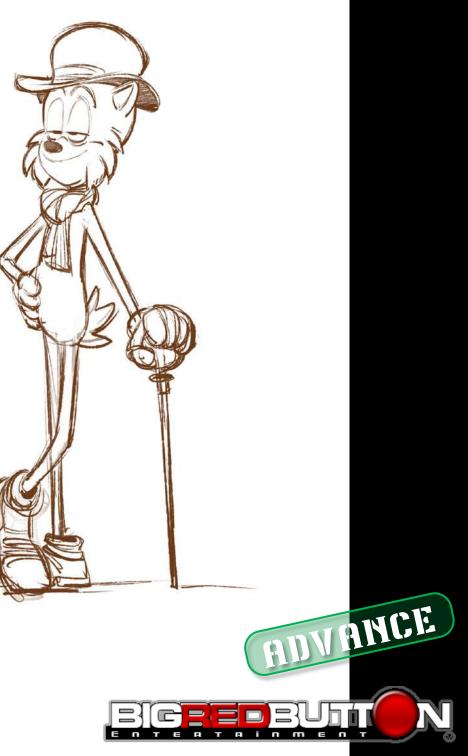


















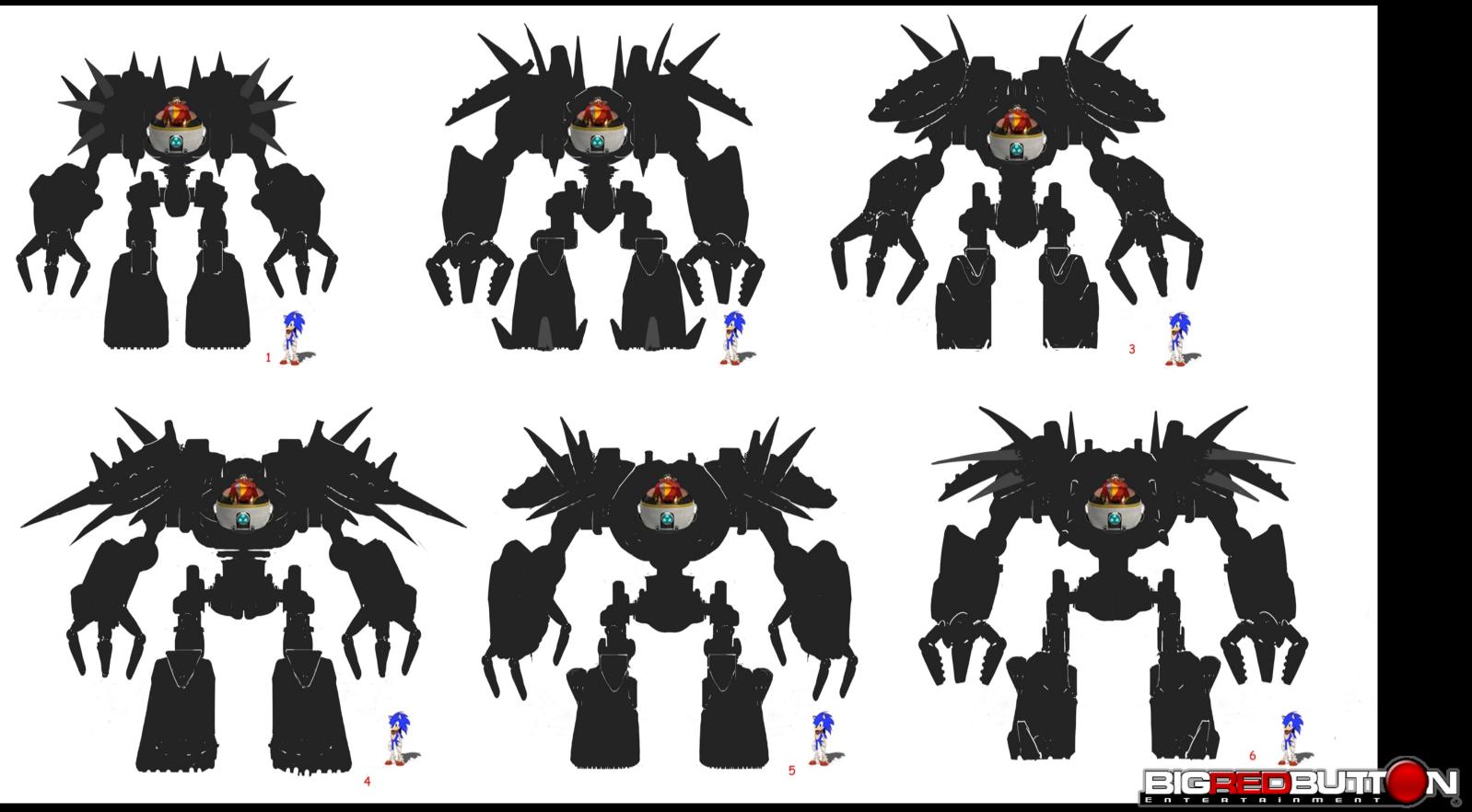
- Sonic Team requests wider design (above)
  Reduce neck, push head down a bit into collar. Head

- becomes like a ball and socket set up Removal of goatee and hair (however, SOW liked) Keep wider Napoleon/Equestrian pants Add grey line or stripe somewhere in the pants Continue arm gadget exploration. Iizuka-san ok with • keeping on all the time





## **Eggman Mech Explorations**



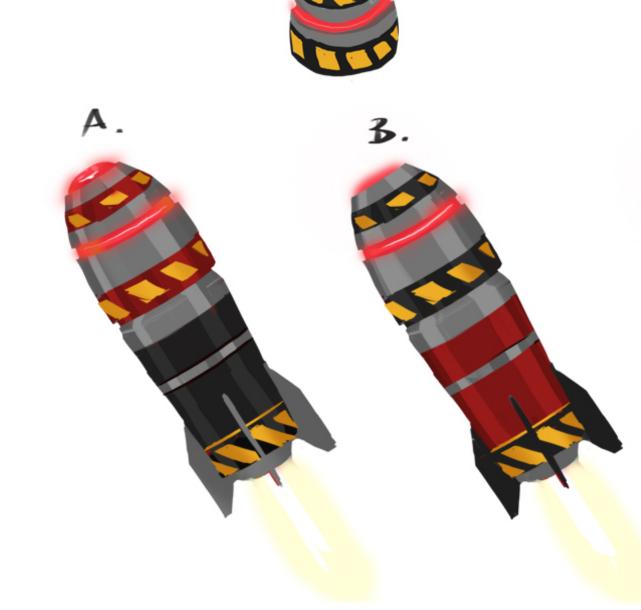


### Artist: *Jason Norton*

<u>BIGBEDBATTON</u>

# Eggman Mech Missile VZ

orig.



Top

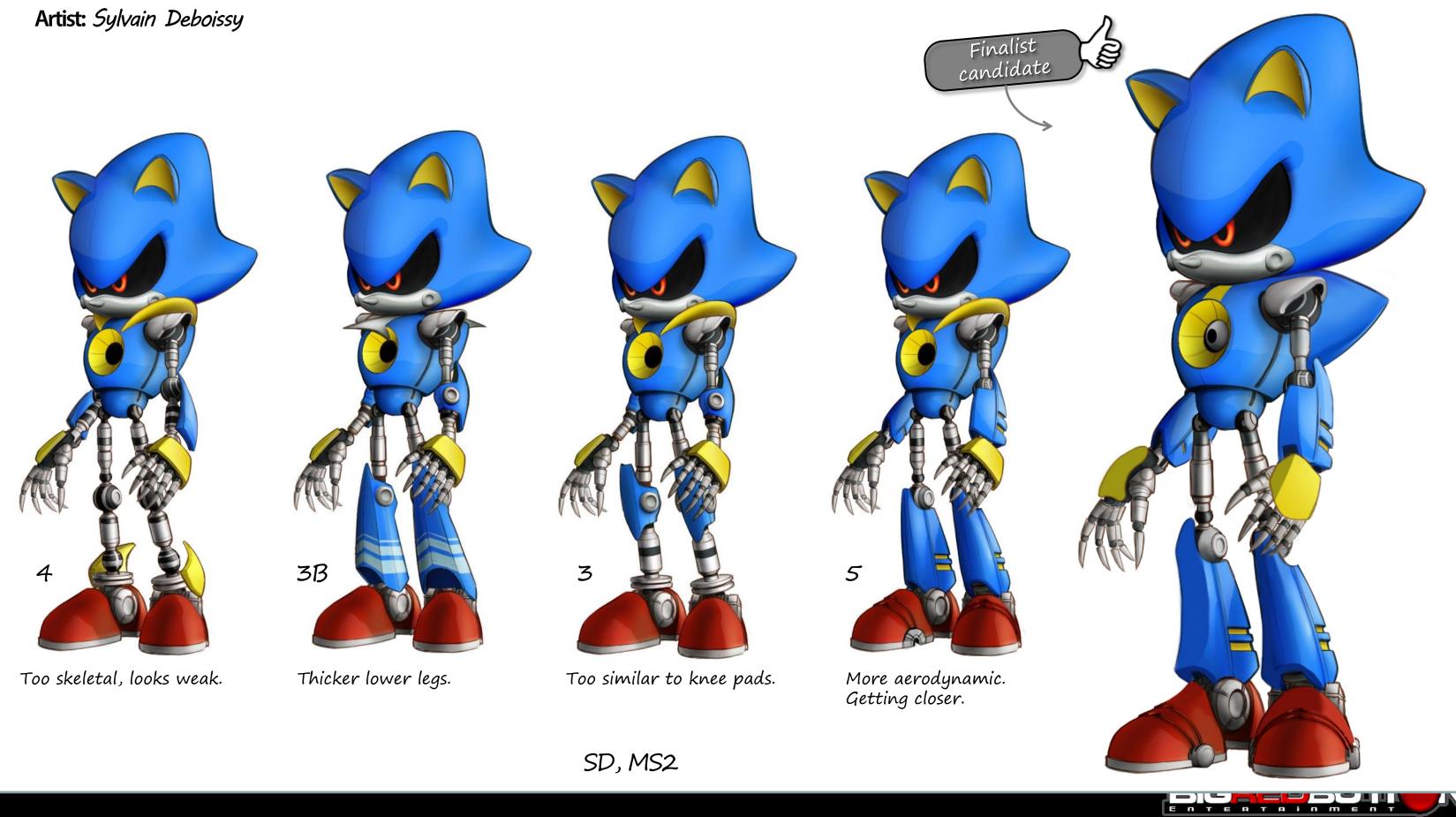
### Artist: *Jason Norton*





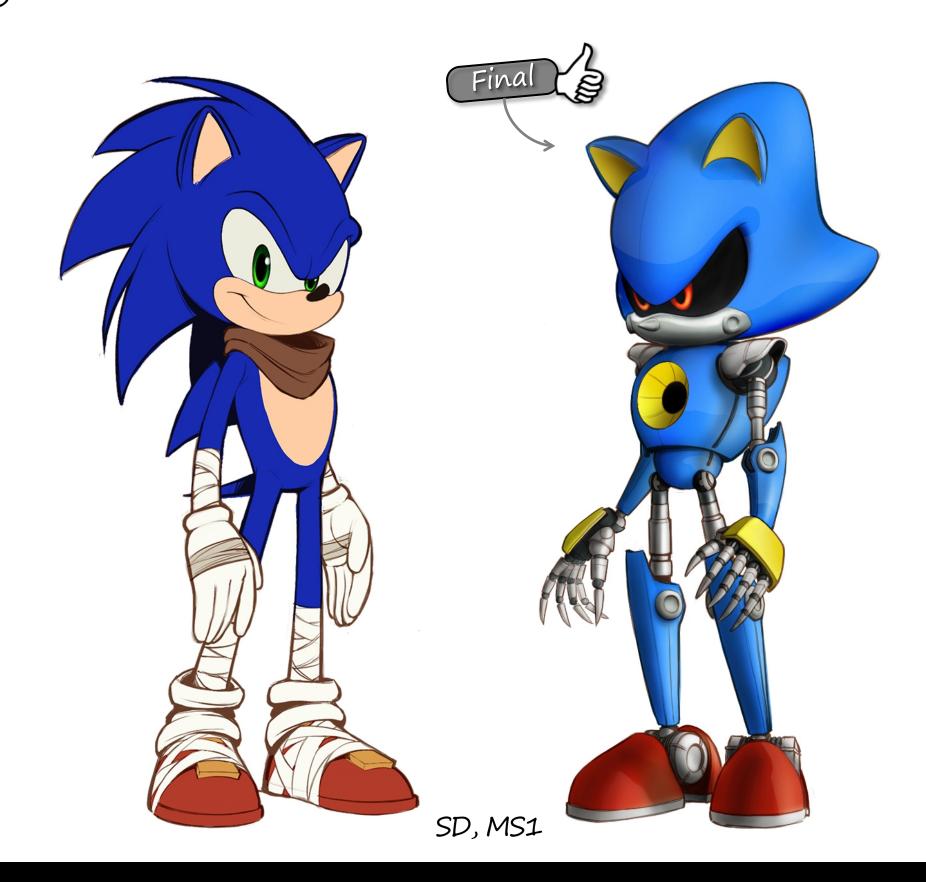
# METAL SONIC

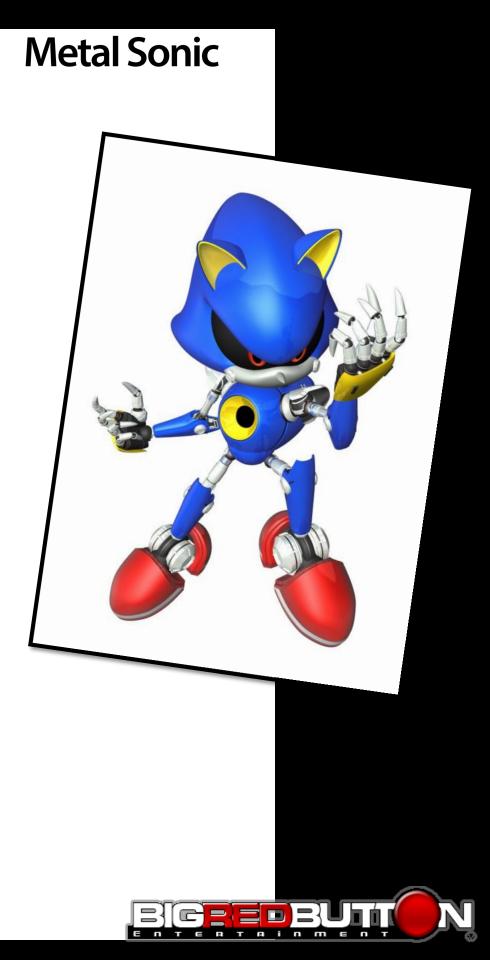




б

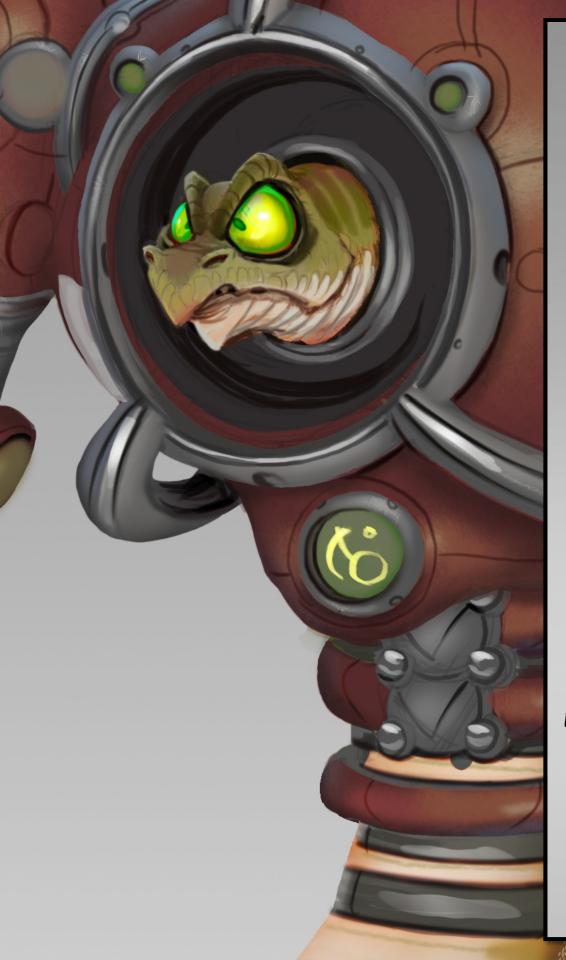
Artist: Sylvain Deboissy





# LYRIC



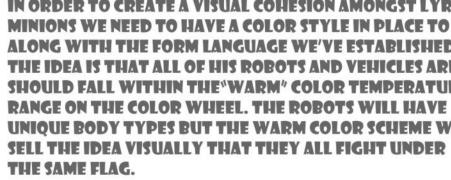




# ENEMIES Enemy Color Styling



### ENEMY ARMOR COLOR STYLING CONCEPT



ENEMIES



COLOR/TEXTURE-ENEMY CLASSES: WE COULD USE THE SAME LOGIC FOUND IN AMERICAN **MILITARY VEHICLES. THE NEWER MORE EXPENSIVE** JETS FOR EXAMPLE HAVE CLEANER MORE SATURATED COLORS BECAUSE THEY GET USED LESS, THERE IS FEWER OF THEM IN SERVICE, MORE VALUABLE. THEY ARE THE **KNIGHTS OF THE CHESS BOARD. HIGH LEVEL ENEMIES** IN OUR GAME WOULD BE MORE SATURATED.

THE LOWER LEVEL VEHICLES (CHEAPER) TEND TO BE MORE DESATURATED, LOW SPECULARITY, WORN AND WEATHERED, EXPENDABLE. THEY ARE THE PAWNS. LOW LEVEL PESTS AND GRUNT ENEMIES WOULD BE MORE DESATURATED AND WEATHERED.

LYRIC IS THE KING OF THE BOARD



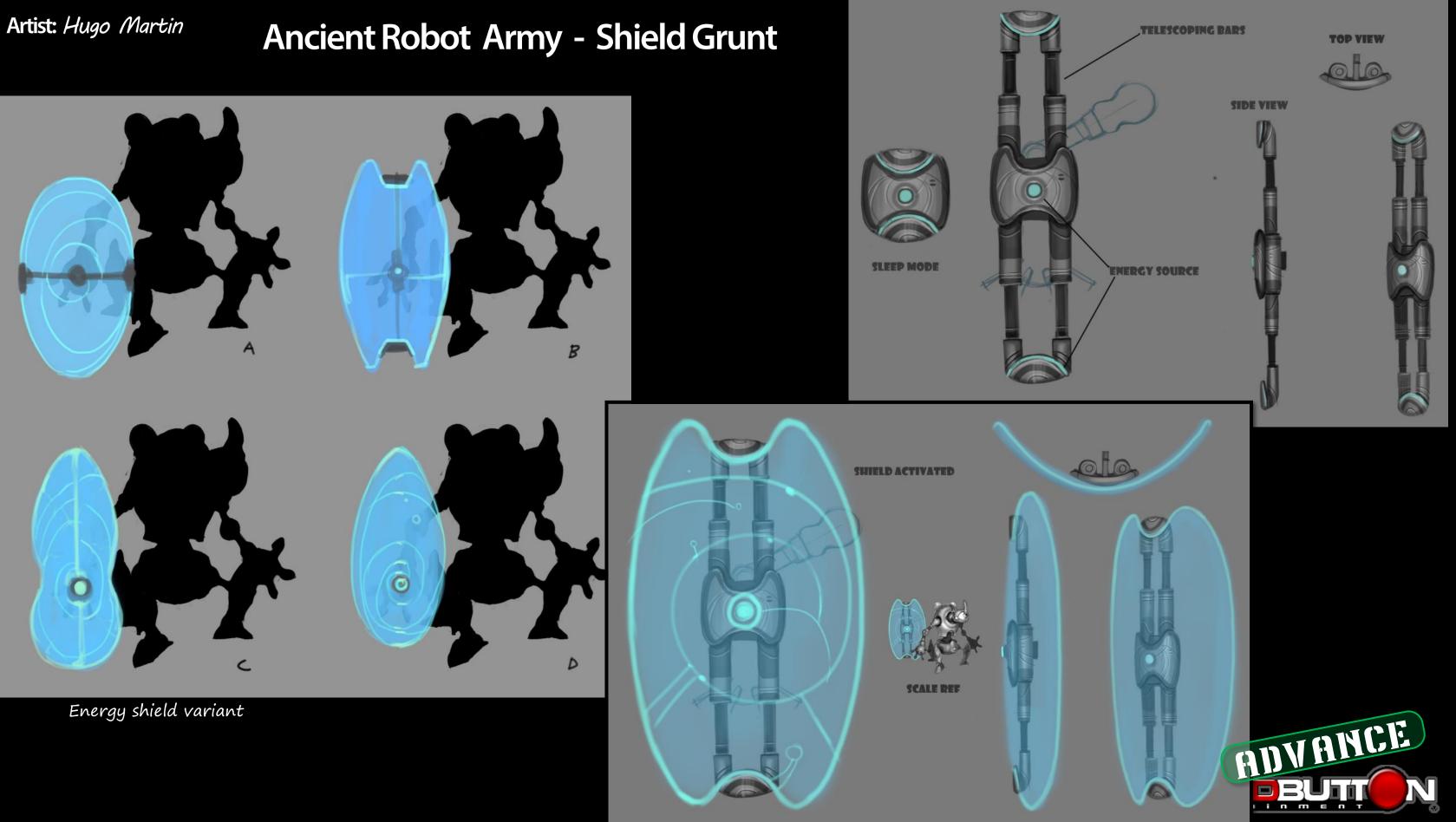


IN ORDER TO CREATE A VISUAL COHESION AMONGST LYRICS MINIONS WE NEED TO HAVE A COLOR STYLE IN PLACE TO GO ALONG WITH THE FORM LANGUAGE WE'VE ESTABLISHED. THE IDEA IS THAT ALL OF HIS ROBOTS AND VEHICLES ARMOR SHOULD FALL WITHIN THE WARM COLOR TEMPERATURE UNIQUE BODY TYPES BUT THE WARM COLOR SCHEME WILL

**Artist:** Hugo Martin

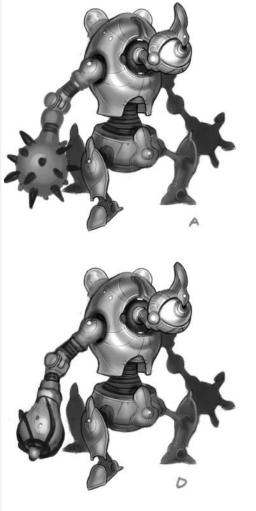
ADVANCE

таіптеп

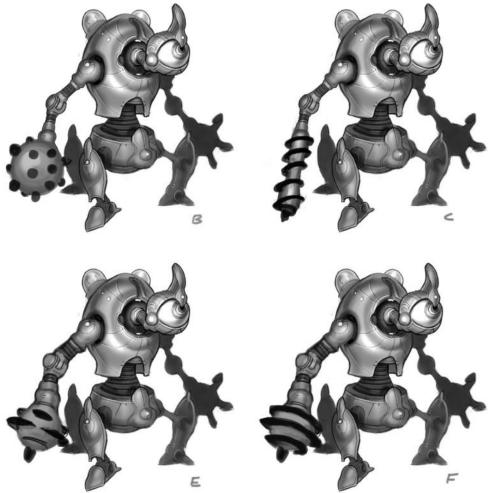


Artist: Hugo Martin

## Ancient Robot Army – Mace Grunt



Modular arms suited for melee, with variations above, final left.





# **ENEMIES** Troopers Furnace/Fridge



### Trooper - Furnace

### Trooper - Fridge



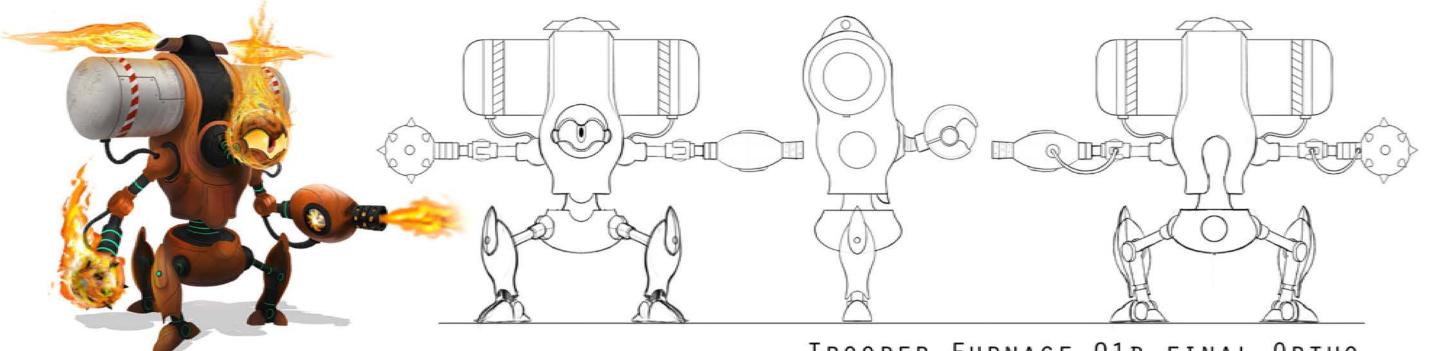
### TROOPER FURNACE 01B

Artist: Yuhki Demers

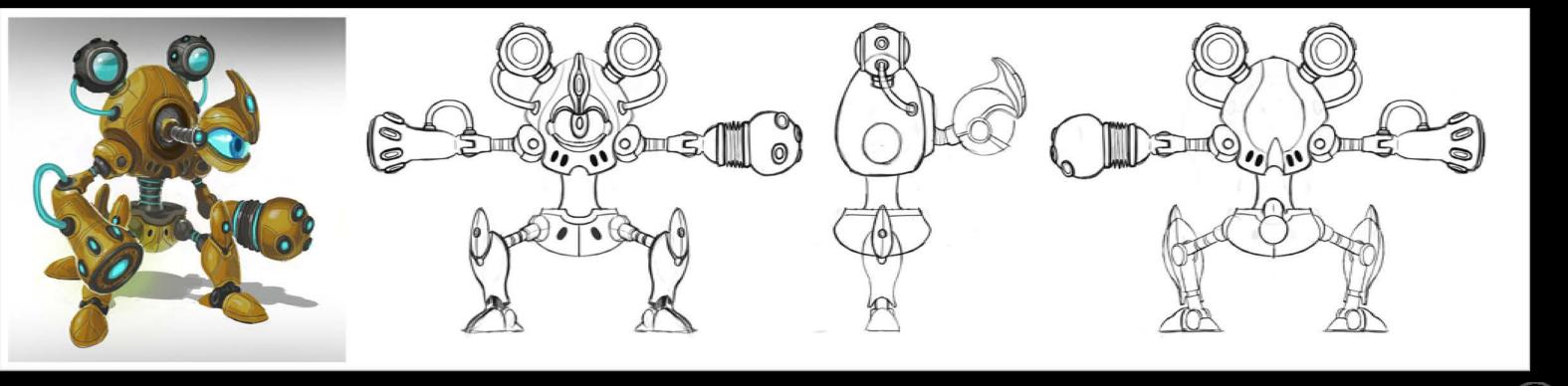
Artist: Travis Ruiz



### **Trooper Orthos**



TROOPER FURNACE O1B FINAL ORTHO



Artists: Travis Ruiz/Yuhki Demers



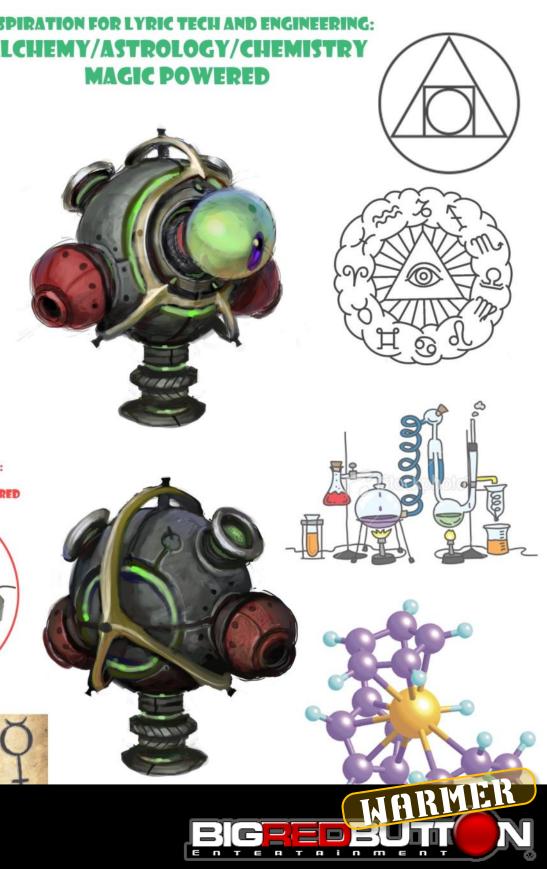
# Enemy #7- Ranged Grunt



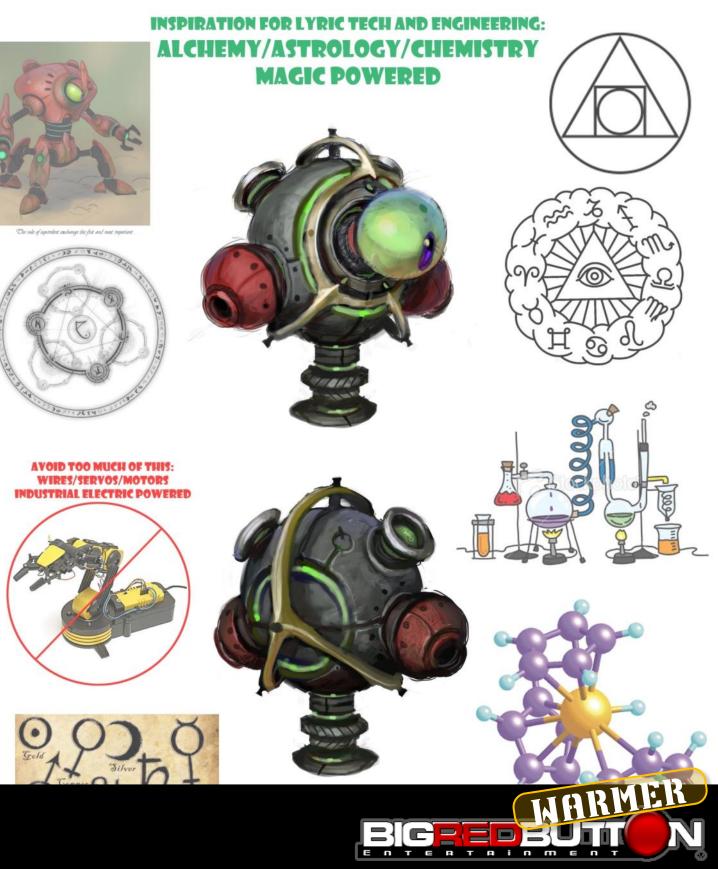


### Ancient Robotic Army - Ranged Grunt





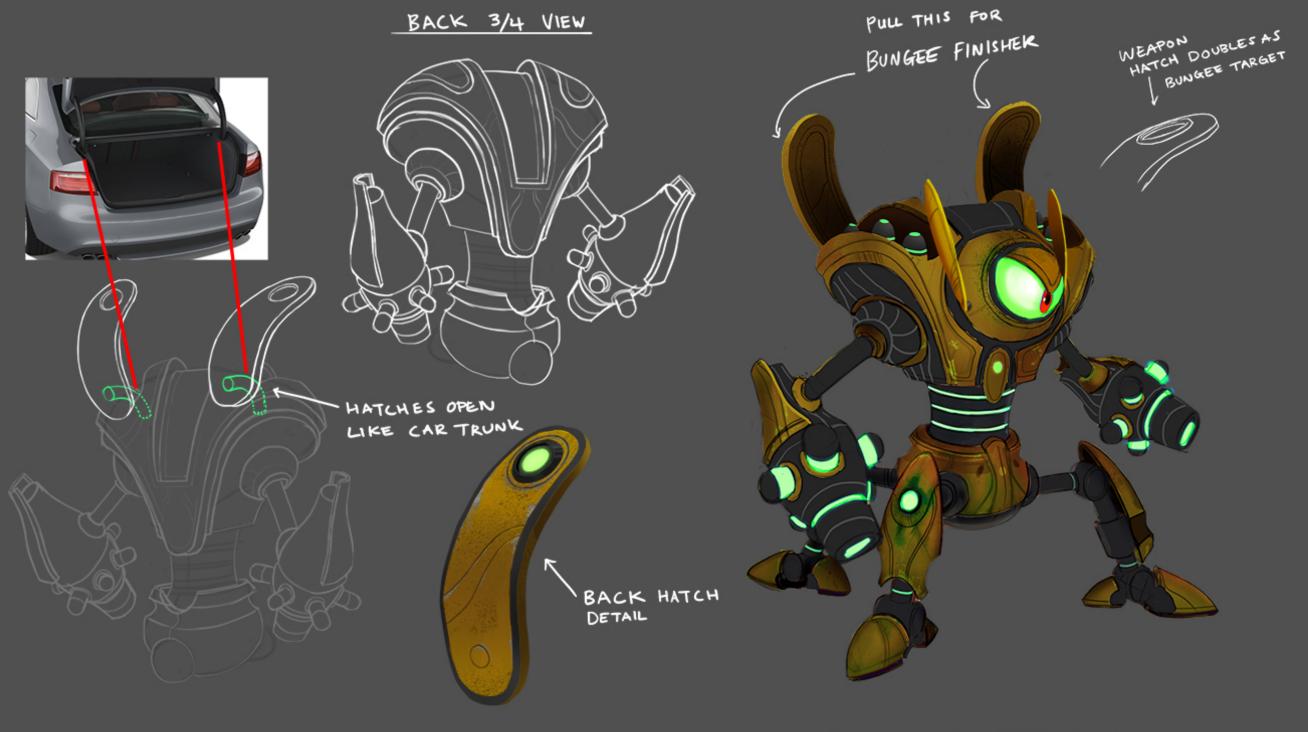
AVOID TOO MUCH OF THIS: WIRES/SERVOS/MOTORS





#### Artist: Hugo Martin/Yuhki Demers

### Ancient Robotic Army - Ranged Grunt Bomber



BOMBER VARIANT OID





# Enemy #5- Flyer Searcher Bot





#### Artist: Hugo Martin

### Ancient Robot Army - Flyer

Scale comparison

Revised design consistent with new direction which better reflects Sonic's graphic shapes, yet still plausibly built with technology and has some personality. Unifying feature could be similar built eye and the center of its intelligence and attitude.

> Energy bomb grows on bomb lever, and launches towards player design was mei evocative of slo levers.









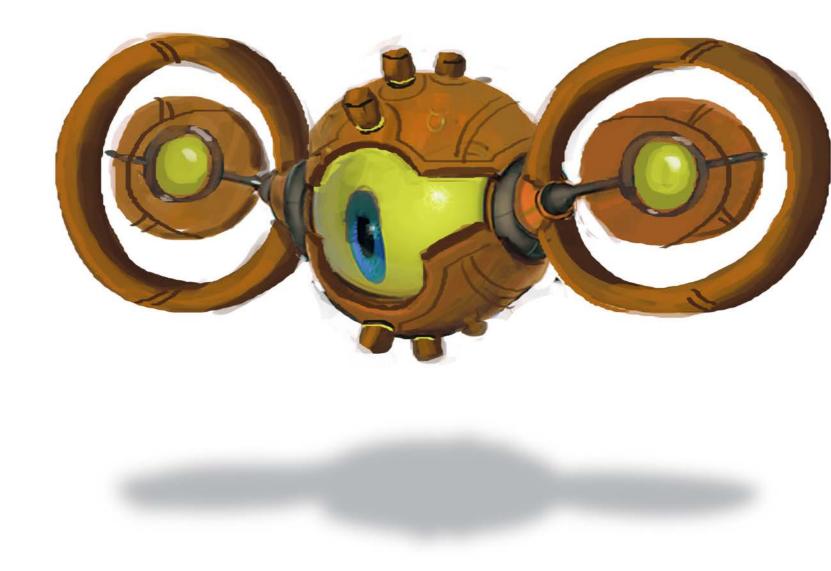


a i n m

#### Artist: Travis Ruiz



## **RING**THIEF

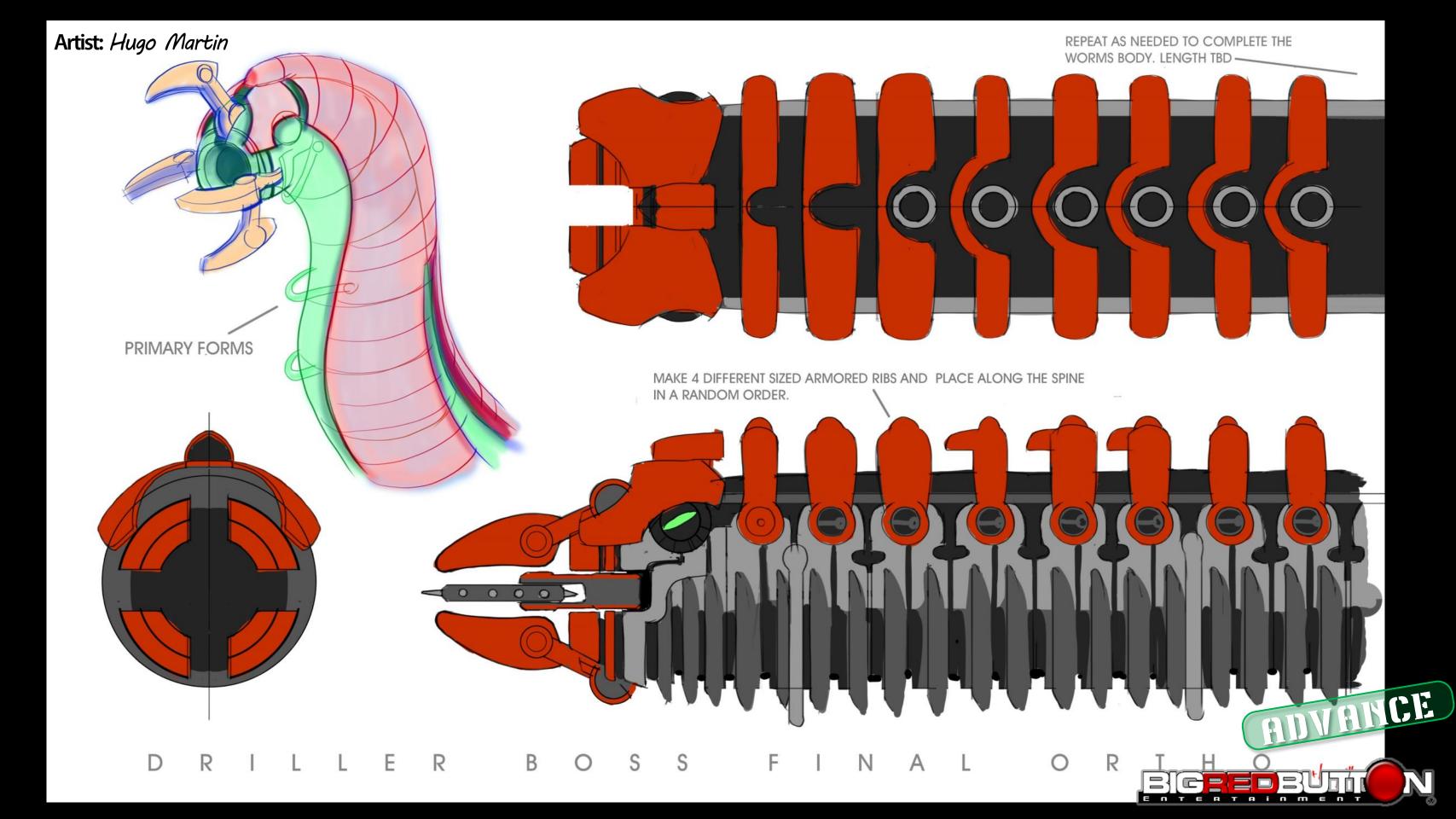


## Flyer – Ring Thief

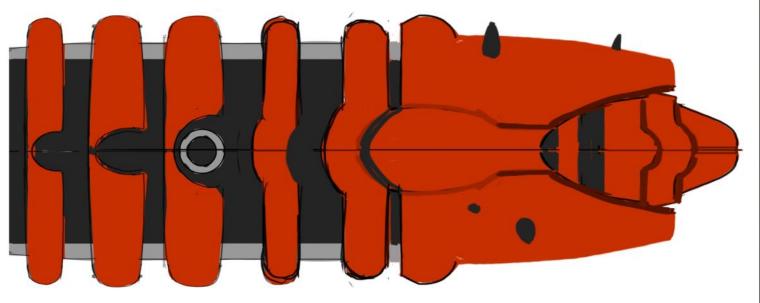


# ENEMIES Enemy #4 - Sand Worm (Mini-Boss)





Artist: Hugo Martin





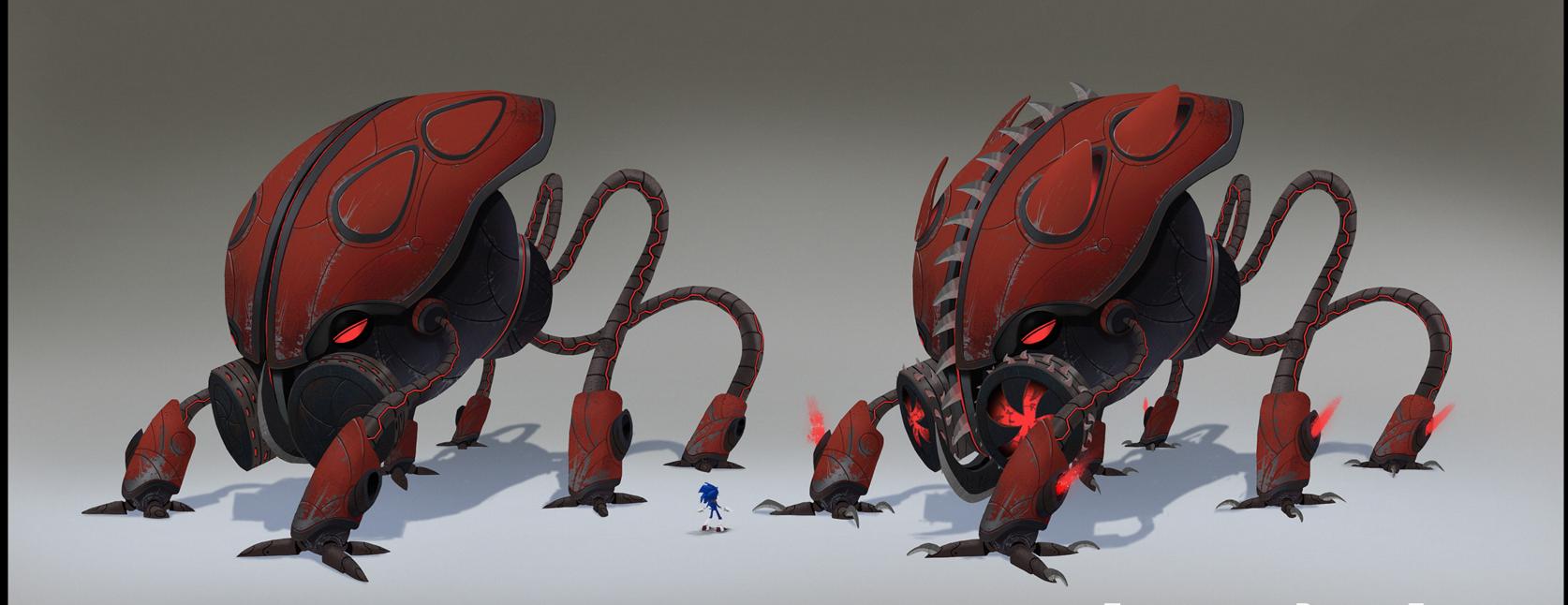




# **ENEMES** Tunnel Bot (Mini-Boss)



Artist: Yuhki Demers

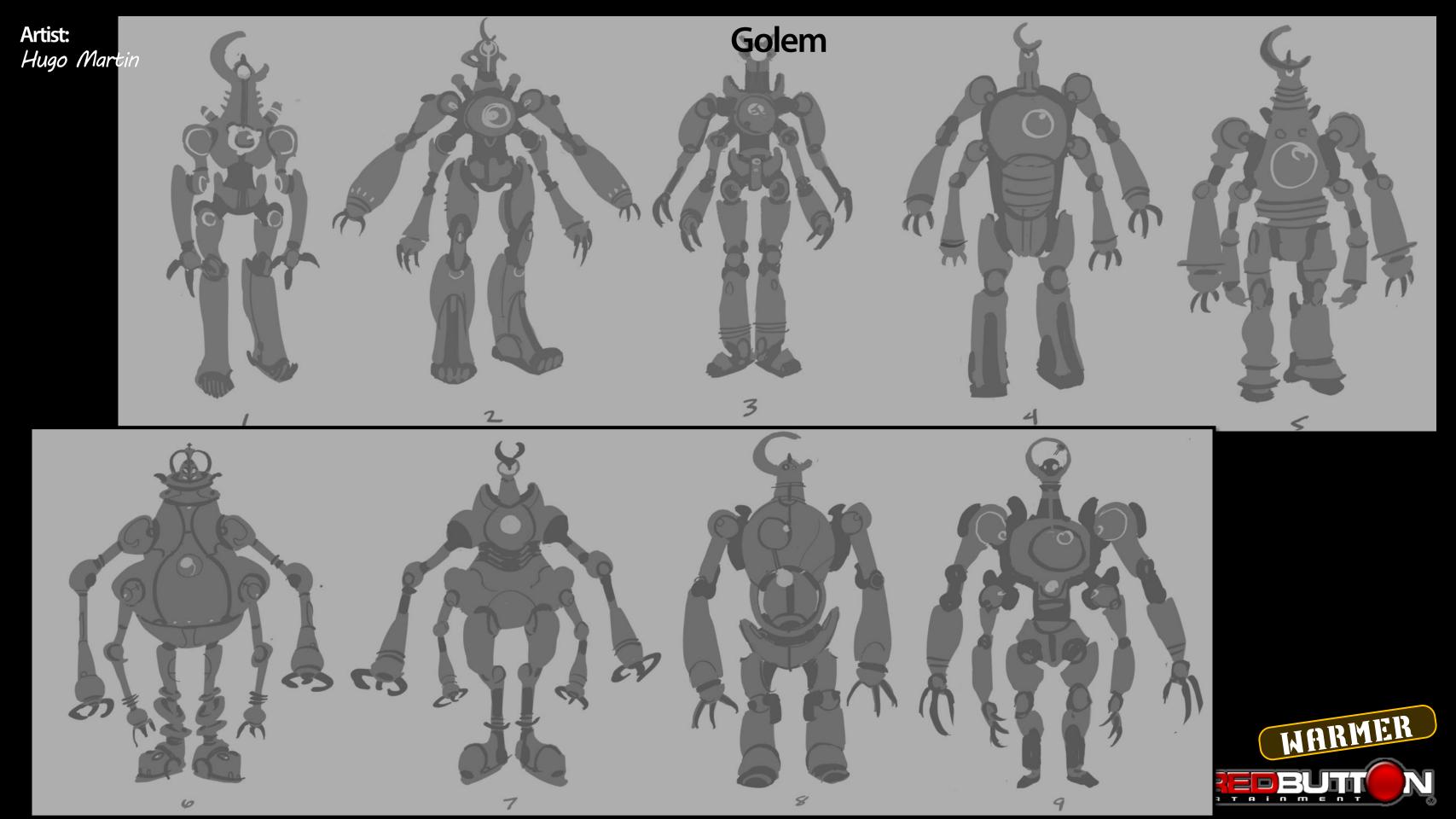


## TUNNEL-BOT FINAL

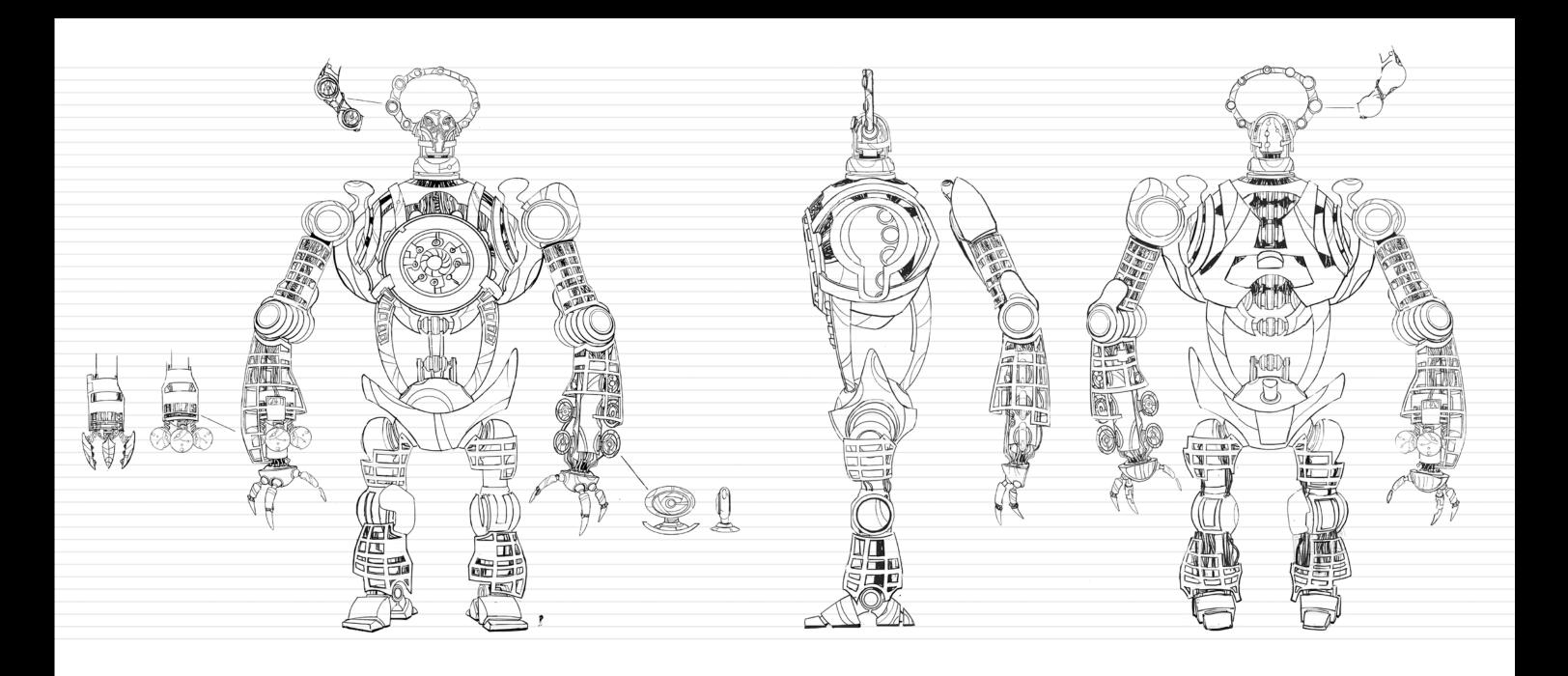


# ENEMES Golem (Mini-Boss)





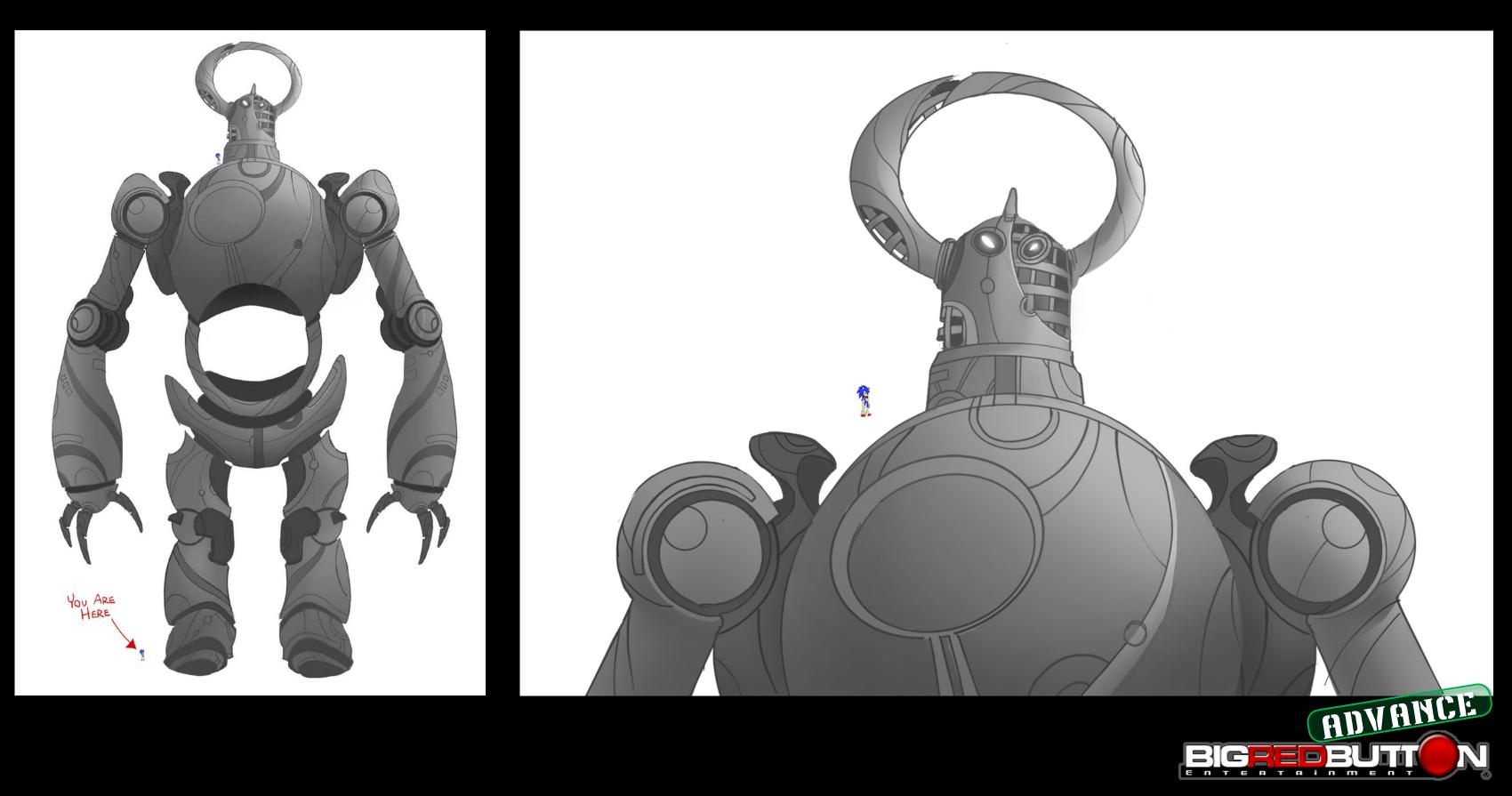
#### Artist: Jason Norton



### **Golem No Armor Orthos**

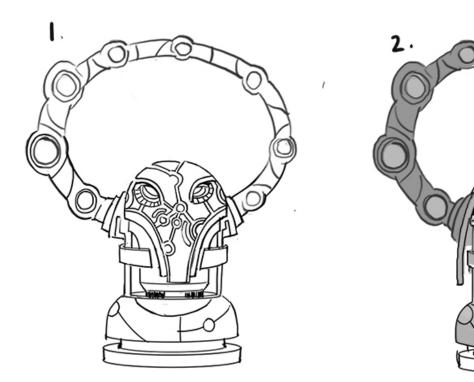


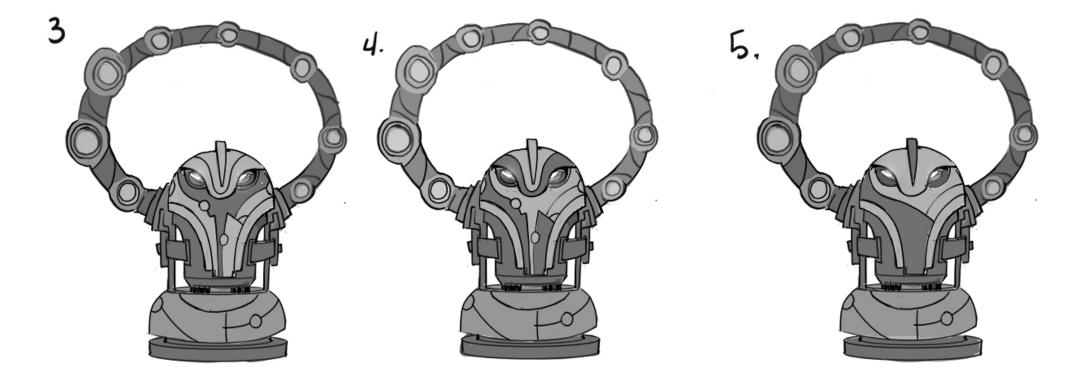
### Artist: Yuhki Demers





ORIGINAL





**Golem Head Variations** 

VARIATIONS

Artist: Jason Norton





Еп

TER

таіпте

пт

### Artist: Jason Norton



## Construction phase Rough Sketch

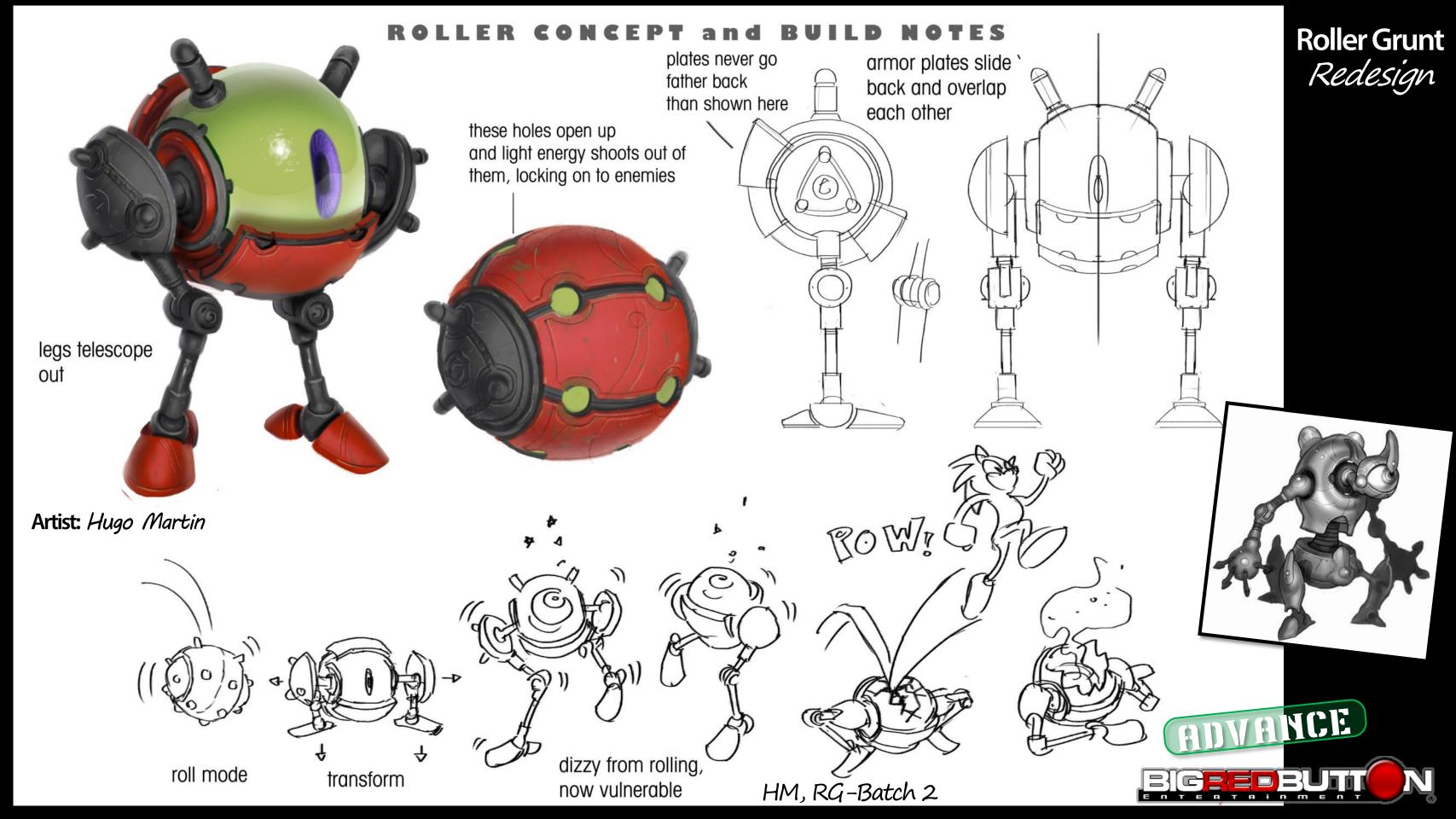


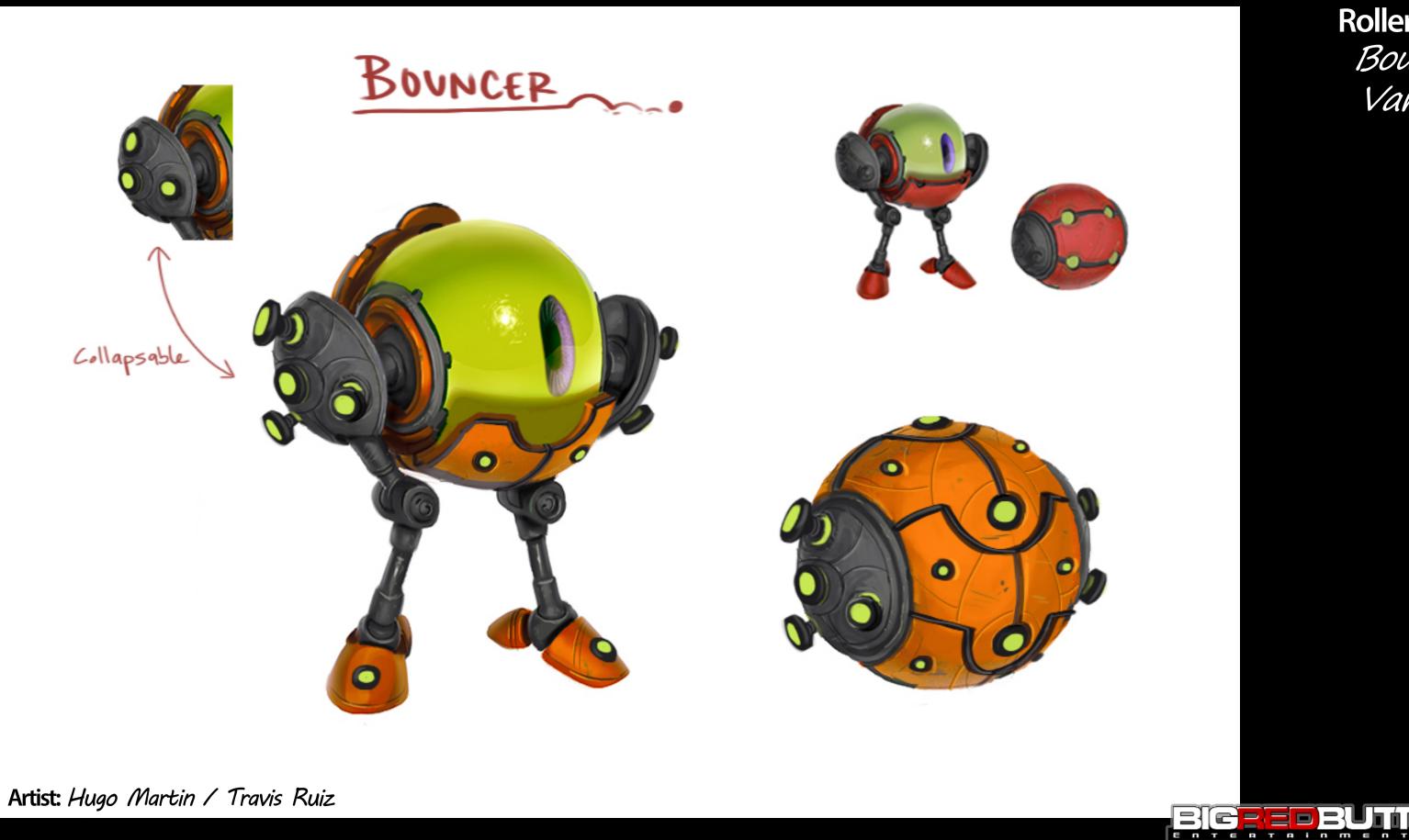


# Enemy #2 - Rolling State Enemy













Artist: Hugo Martin/Yuhki Demers





### Artist: Hugo Martin

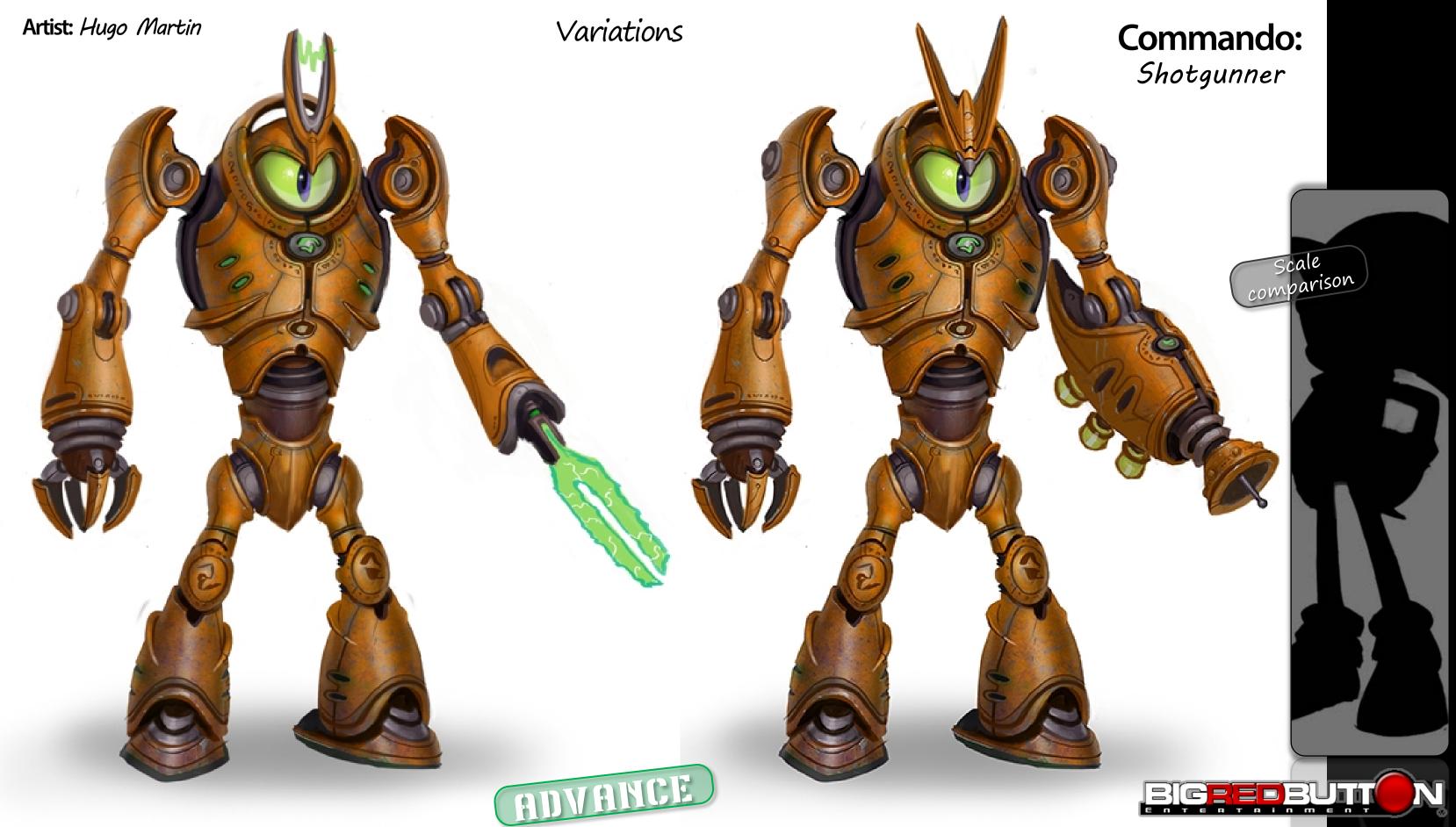
The Gunslinger is the fastest gunner robot in the roster. He will dual wield his guns and be able to fire in a multitude of patterns and arrays to keep the player dodging and running for their life.

Visual language will be mid level size and bulk a bit taller than Sonic. He will have similar simplified curve language – the staple among Lyric's forces.





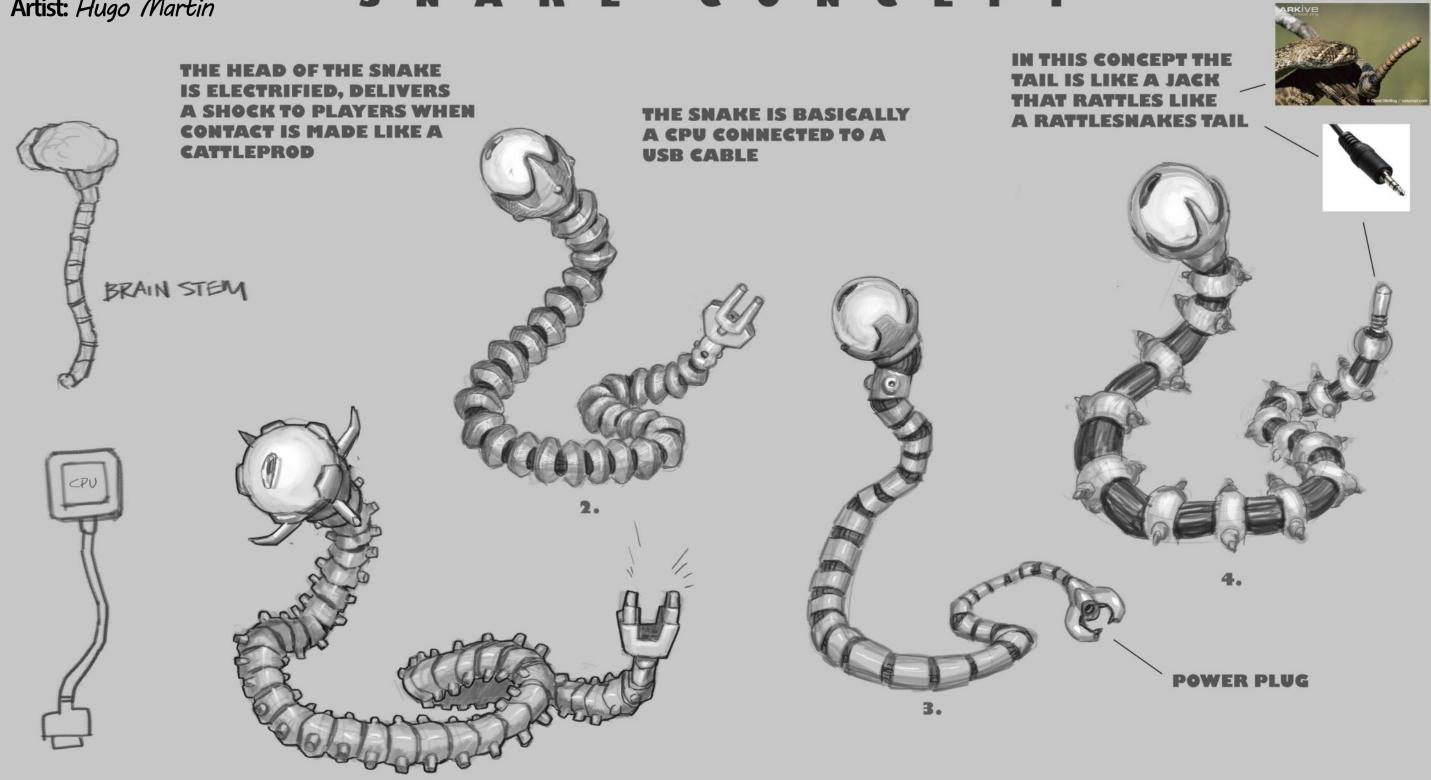








### 5 3



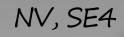
**VENEMOUS SNAKE, ITS MORE ABOUT** LIKE THE STING HE DELIVERS THEN THE FORCE OF THE HIT.

1.



Artist: Nicolas Villarreal

Į



# Snake Parasite Final















02c

-----

Charger Ram



O





### Artist: Yuhki Demers



# Puck Final

RETRACTABLE SPIKES











# Swarm Bot Color Rough

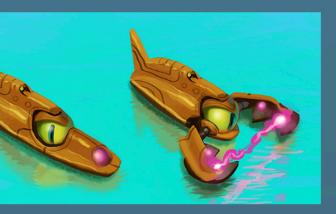


Artist: Yuhki Demers

Swarm Bots exit openings



# SWARM BOT HIVE 01A



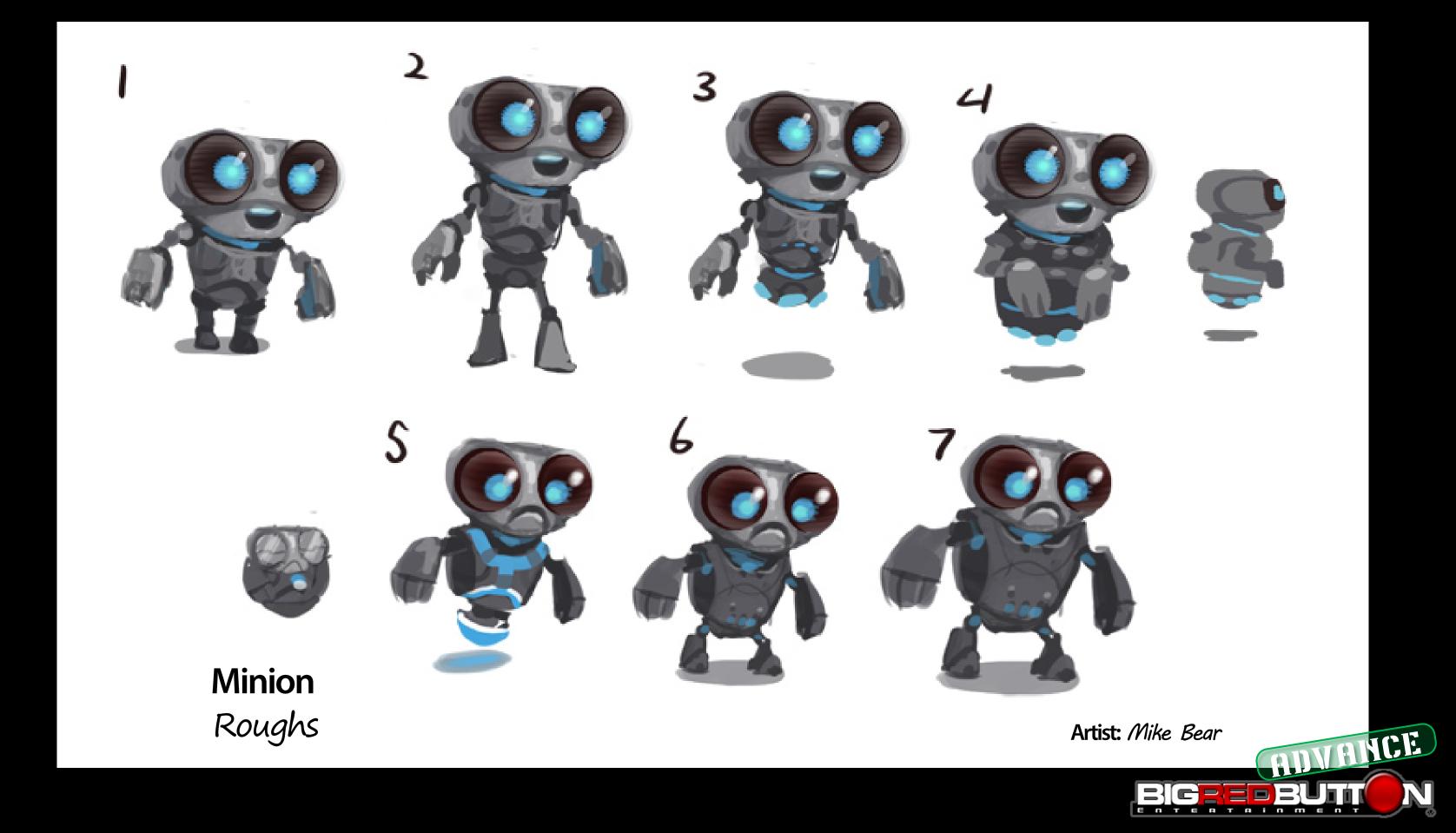
### CHAIN OPTION

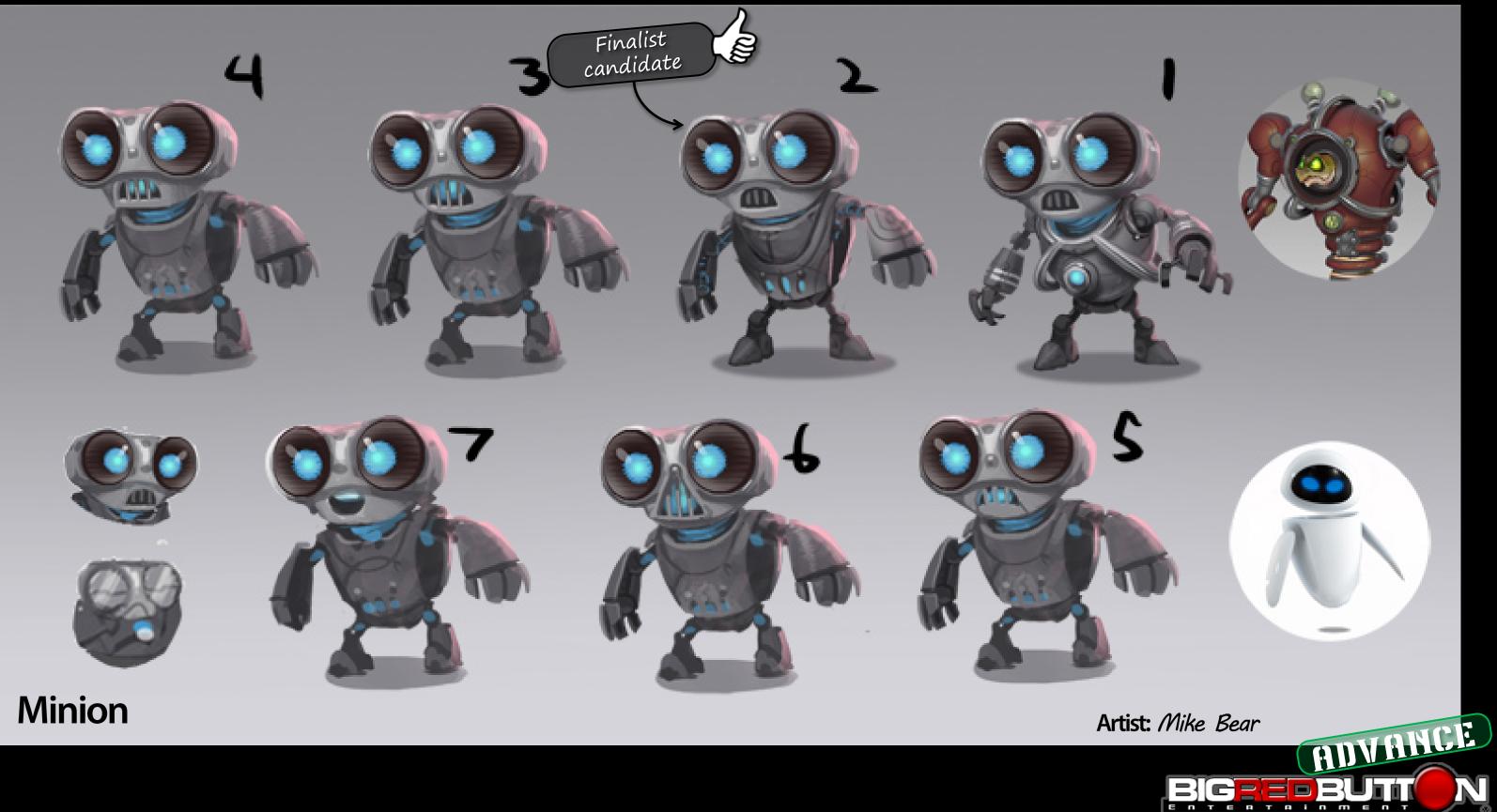
FLOATS A LITTLE OVER HALF WAY OUT.



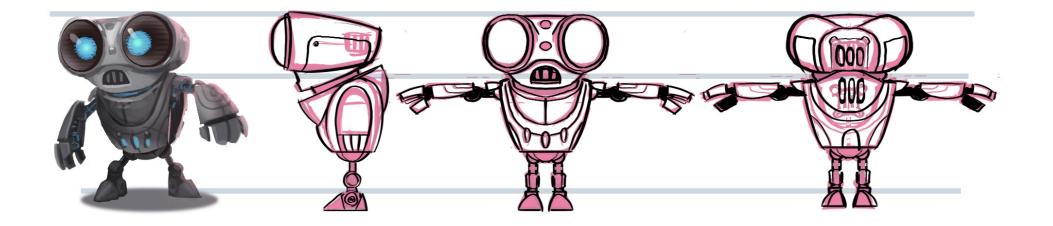
# MINIONS

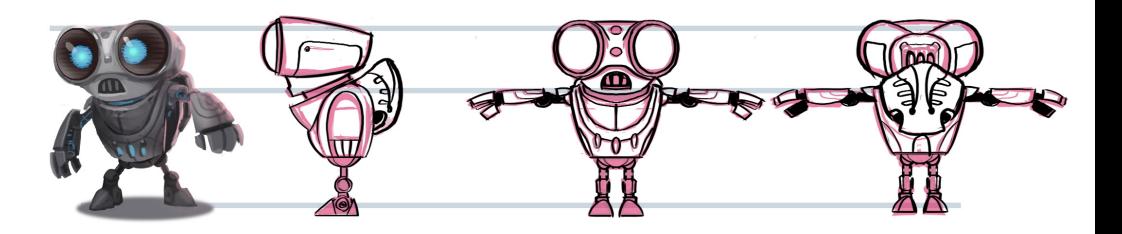


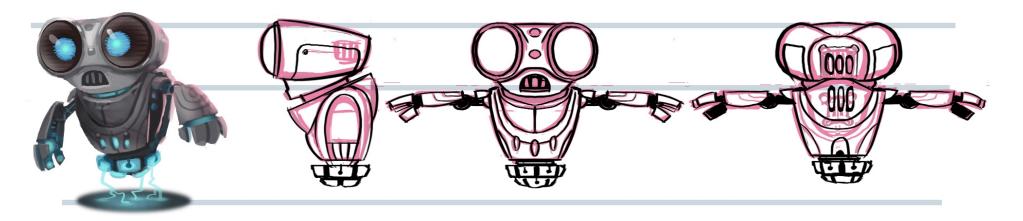




O







## Minion Orthos Artist: *Mike Bear*



# ORIGINAL SKETCH















# **Minion Pack**

Artist: Mike Bear



# INDIGENOUS CREATURES





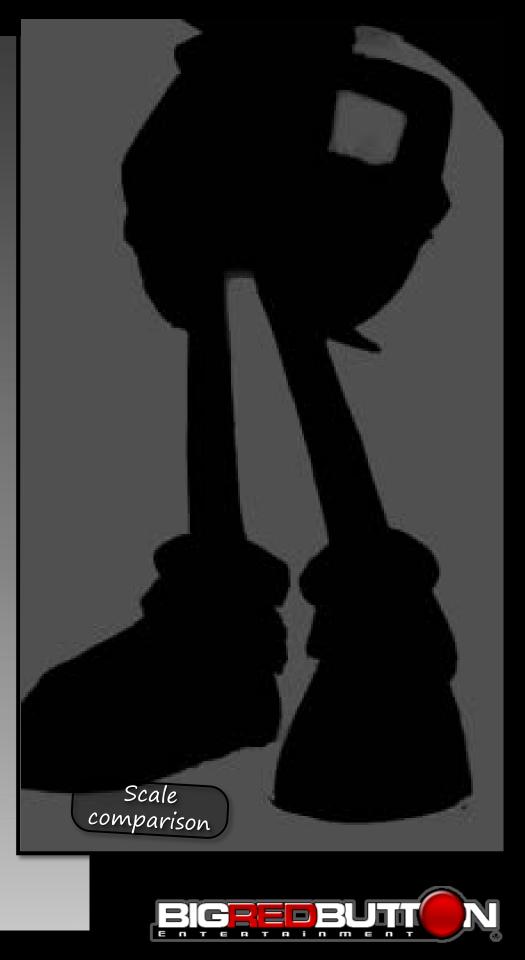
### Artist: *Nicolas Villarreal* WIP

**Field Mouse** 03.16.12 Nicolás P. Villarreal



Final design.





Artist: Nicolas Villarreal

## Hyena

Final design.



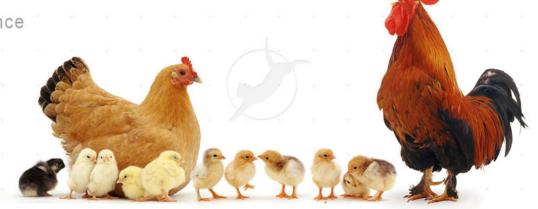
NV, Hyena-Batch 2

and an april of





### Artist: Lemon Sky Chicken



© Warren Photographie

Rooster

Target



Chick



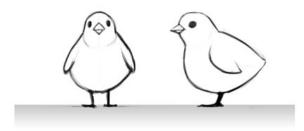
Hen

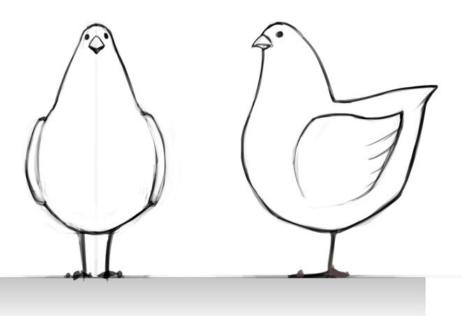


BRB - Ambient Critters - Chicken Refine V2.5



NV, Hyena-Batch 2







# ENVIRONMENT EXPLORATIONS





SPRING BOARD FOR THE VILLAGE ARCHITECTURAL DESIGN IS SONIC'S BASIC SHAPE LANGUAGE: ORGANIC, GRAPHIC ROUND SHAPES ON STILTS.

LIKE SONIC, STRUCTURES ARE PRECARIOUS BUT STURDY, ROUGH BUT ELEGANT. SILHOUETTE READABILITY IS VERY IMPORTANT.



Artist: Armand Serrano

VILLAGE STRUCTURES ARE LOW TECH AND MADE OUT OF WOOD, METAL AND OTHER ELEMENTS THAT GROW FROM THE GROUND. NAUSICAA FEEL. STAY AWAY FROM ANYTHING STAR WARS. FLAGS OR EVEN BALLOONS WITH DIFFERENT PATTERNS COULD BE A WAY OF CLAN IDENTIFICATION.



# Initial Explorations

Sonics Village

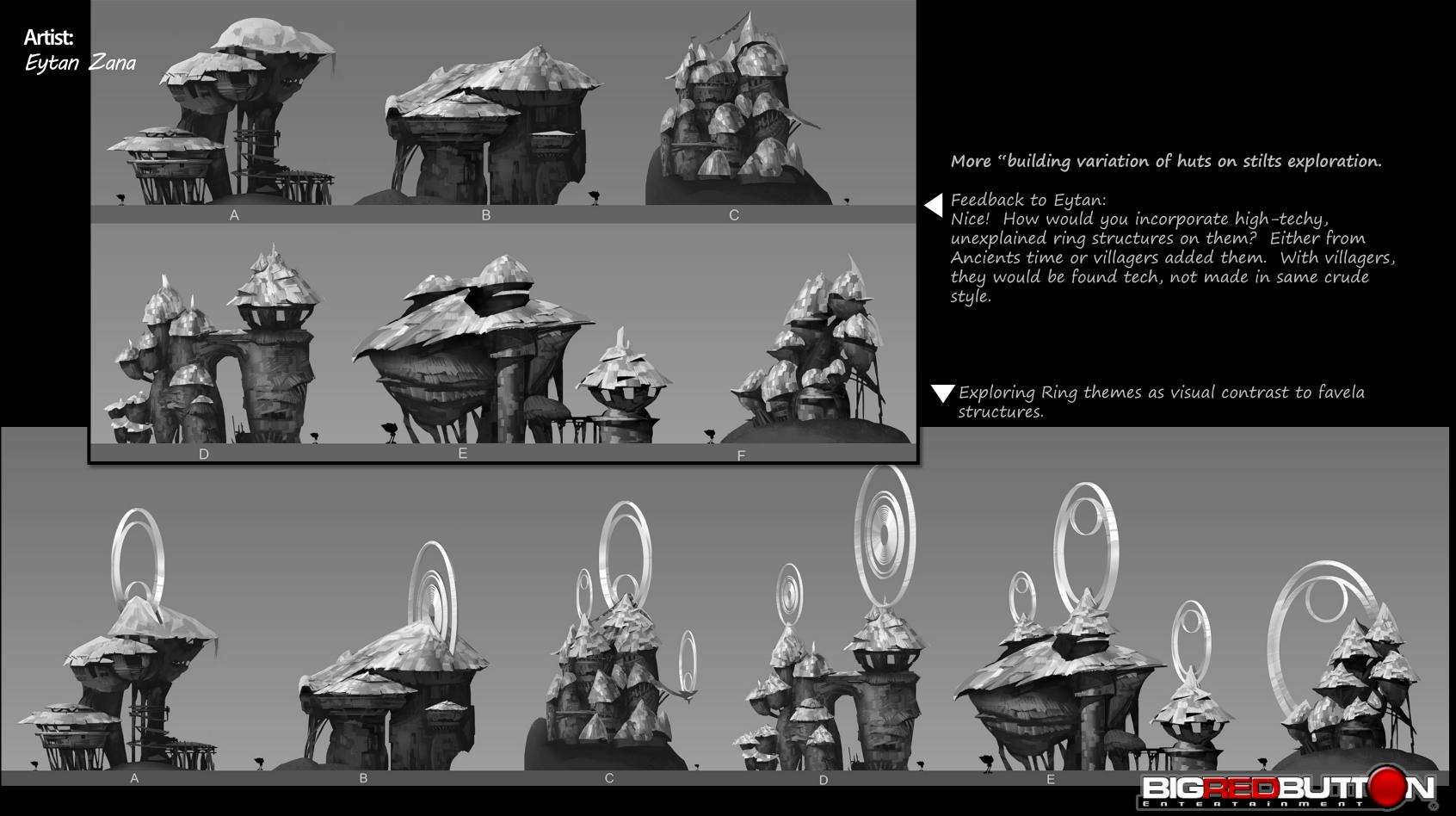
Structure Exploration

-Shape

- -Texture
- -Functionality
- -Character



Entertainment





Better blend of structures which are unique and distinctive for Guardians and Villagers.





Hub O2 – Volcano Crater





Hub O2 – Volcano Crater



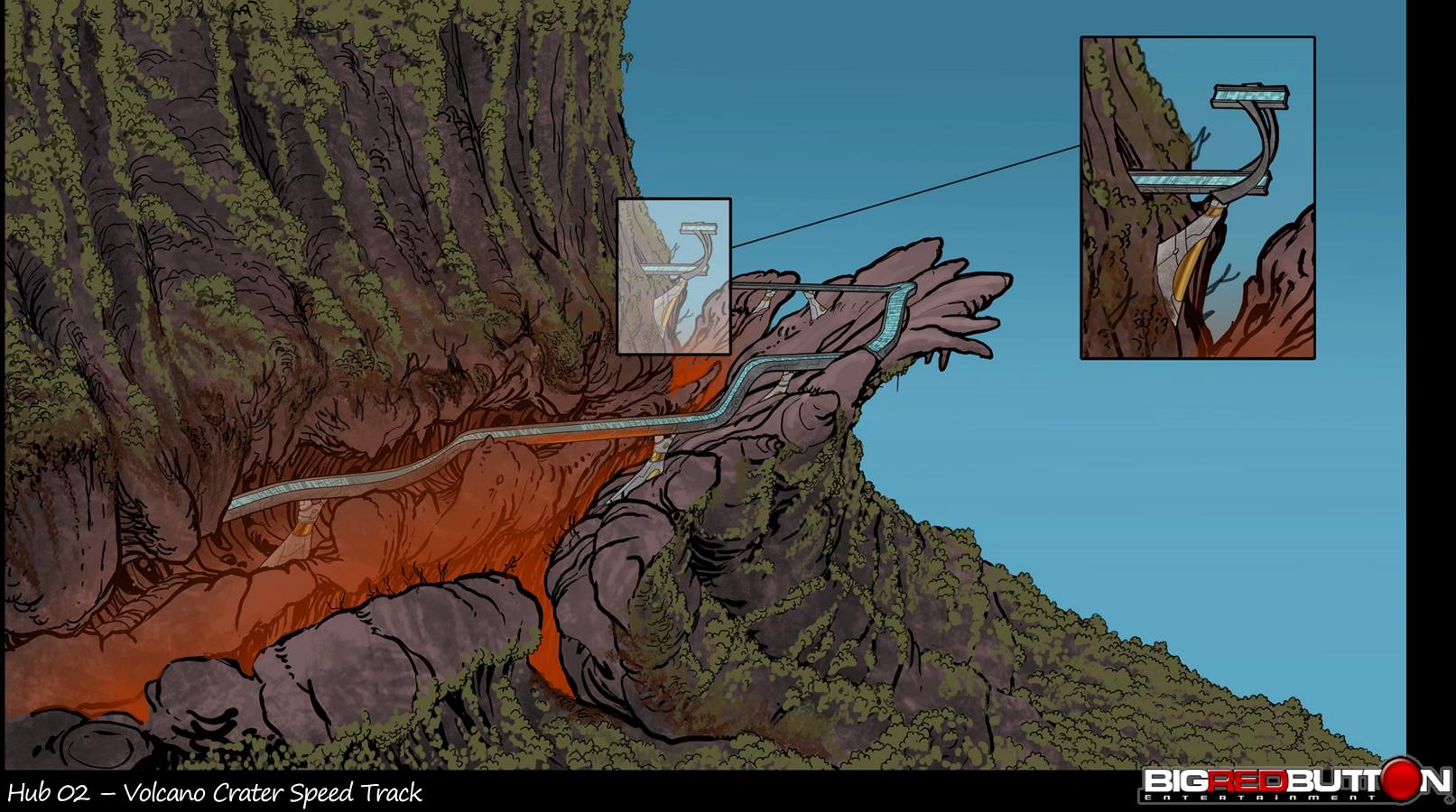


Hub O2 – Main Street Concept





Hub O2 – Green Vale Farms







Hub O2 – Speed Track Exploratoins





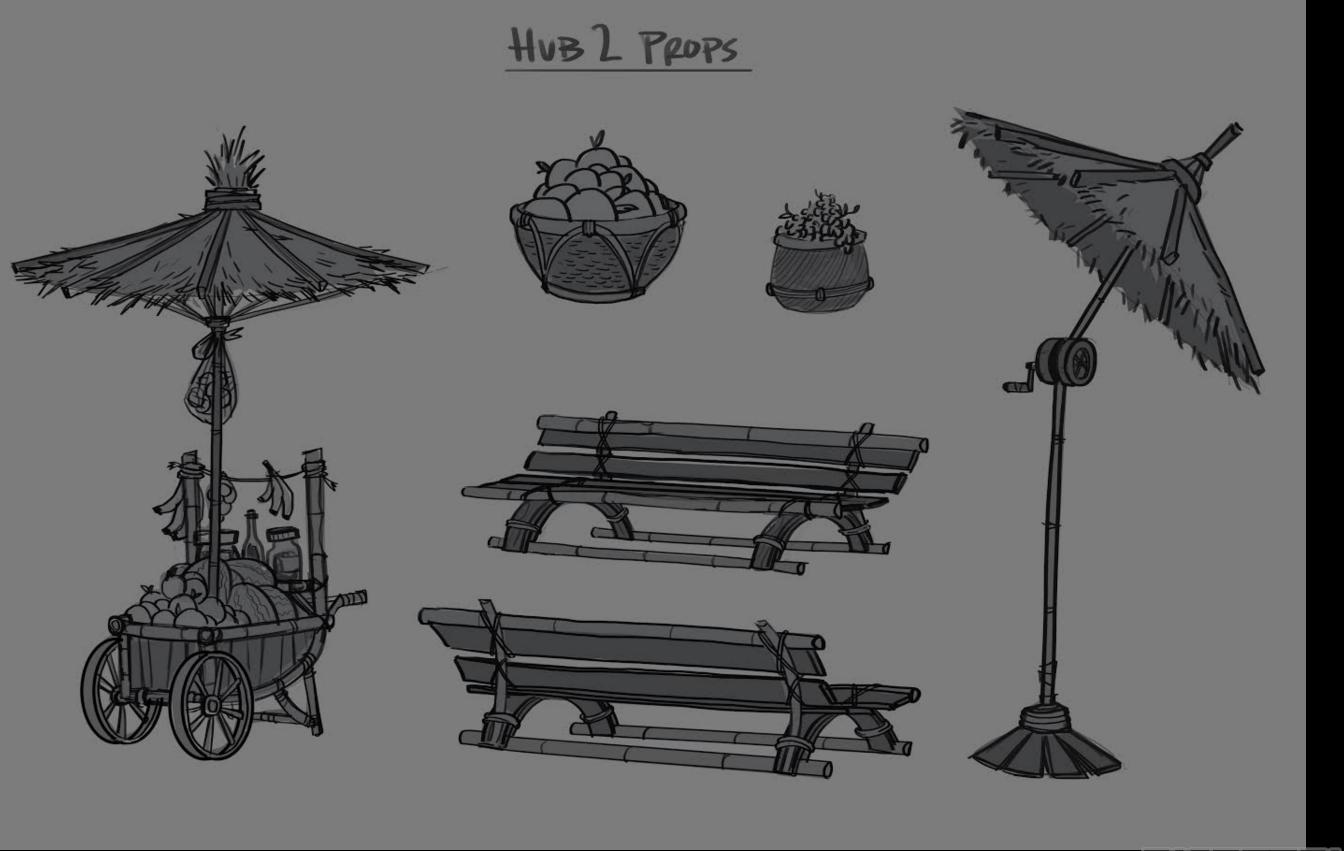




#### Artist: Jason Norton



Artist: Travis Ruiz



Hub O2 – Main Street Props

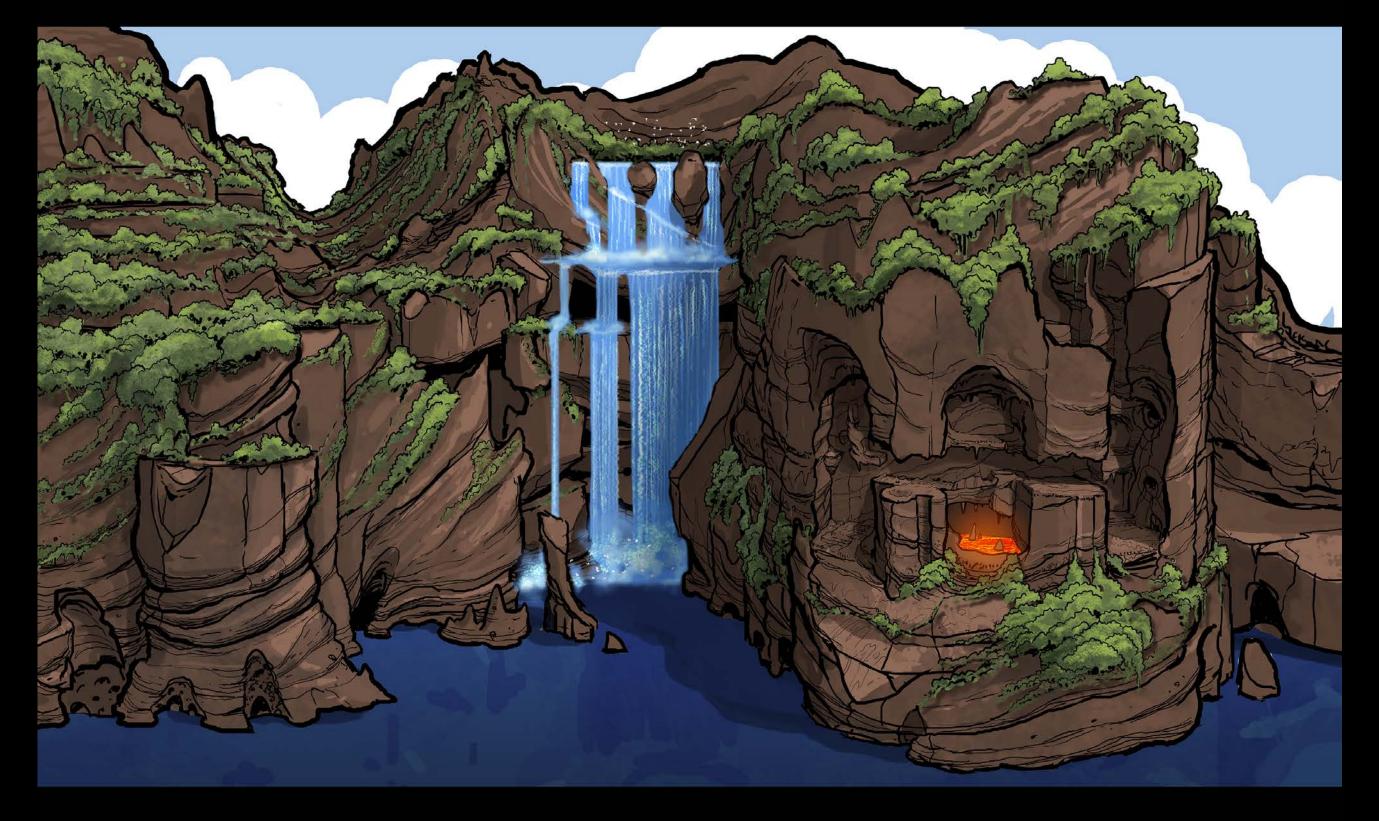






Hub O2 – Main Street Props

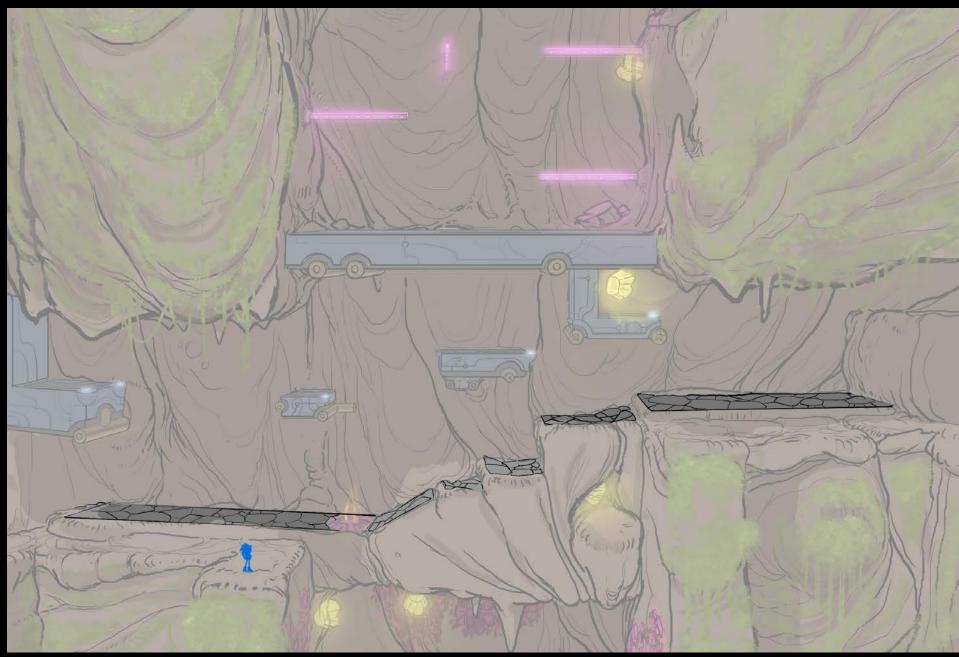




Hub O2 – Crater Lake 2D Section







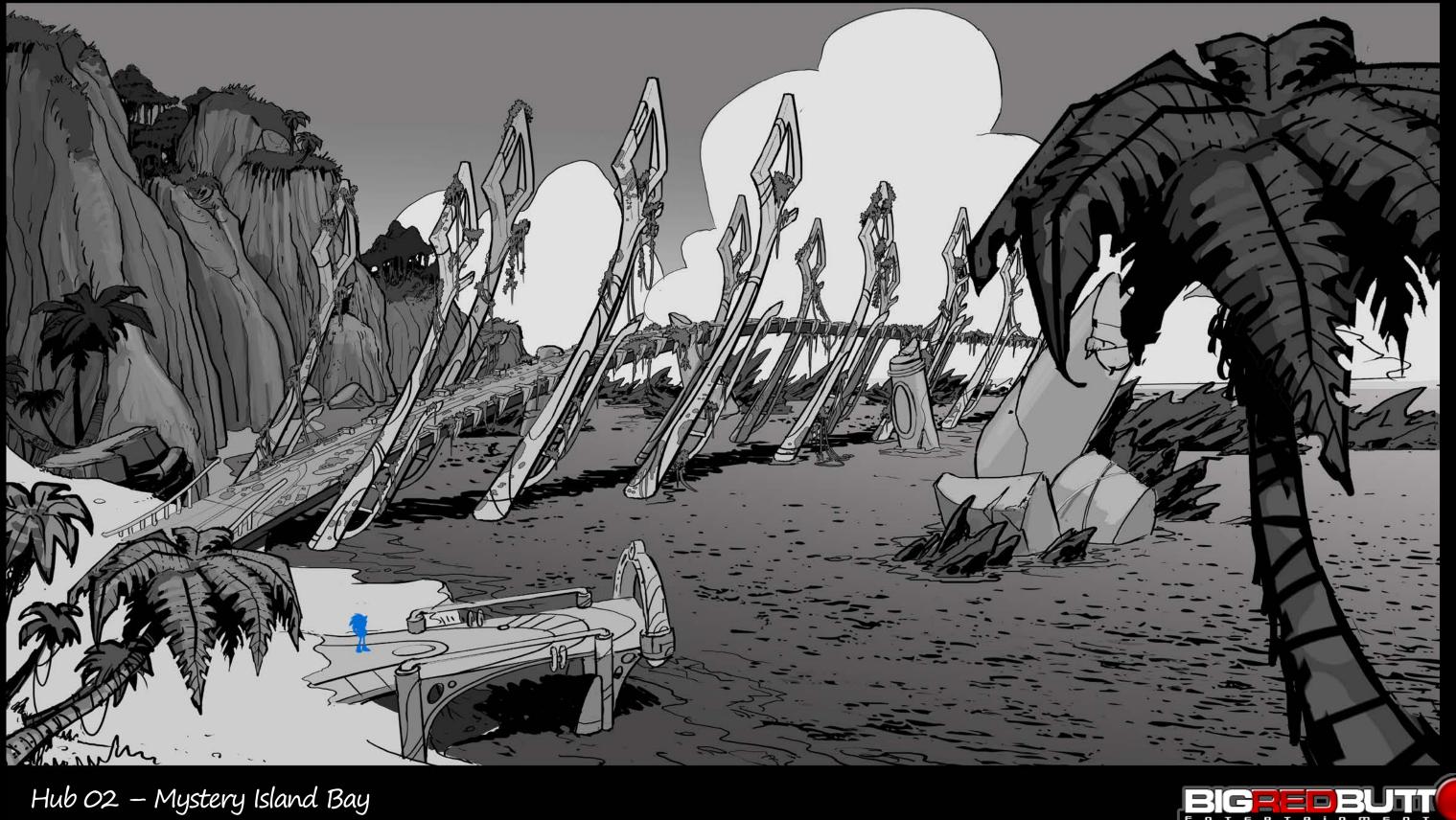
Hub O2 – 2D Section Detail



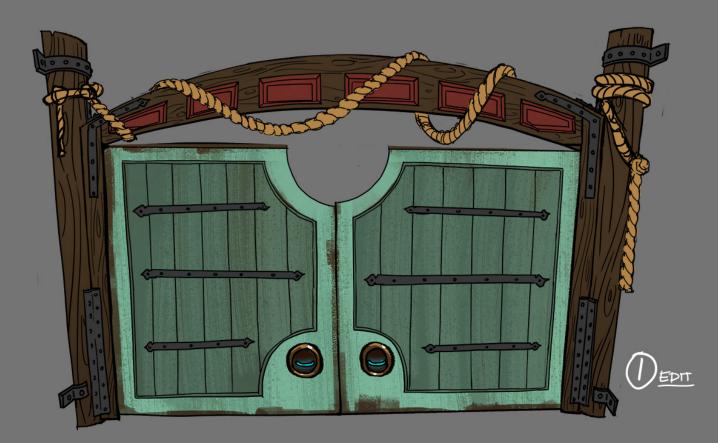


M

б

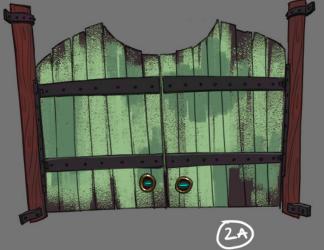


ENTERTAINMENT





HUB 02 BUNGEE GATES





 $\mathbb{N}$ 

б

Hub O2 – Bungee Gates

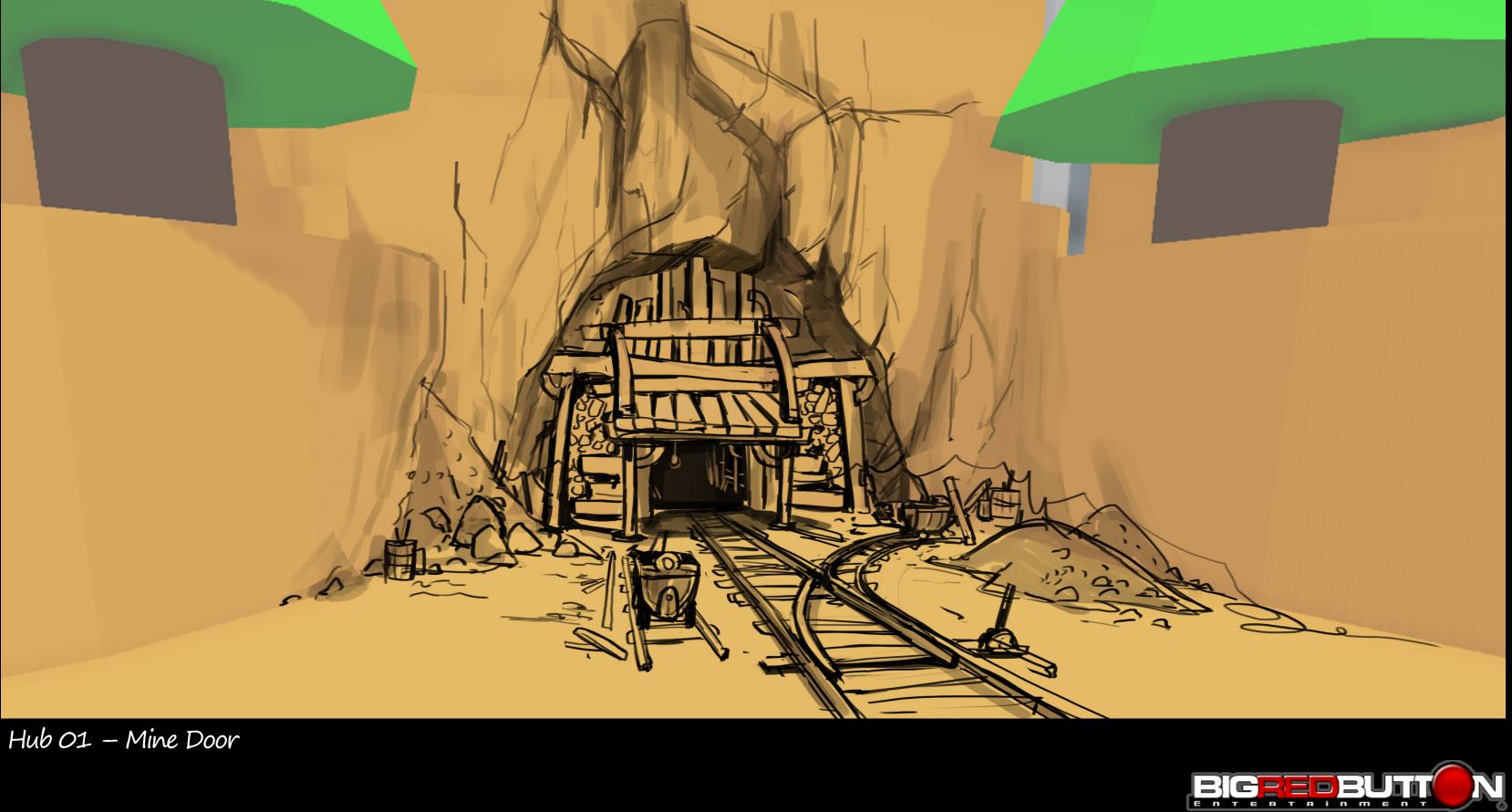
# ENVIRONMENT EXPLORATIONS Hub 01: Cliff's Excavation Site





Hub 01 – Cliff's Excavation Site

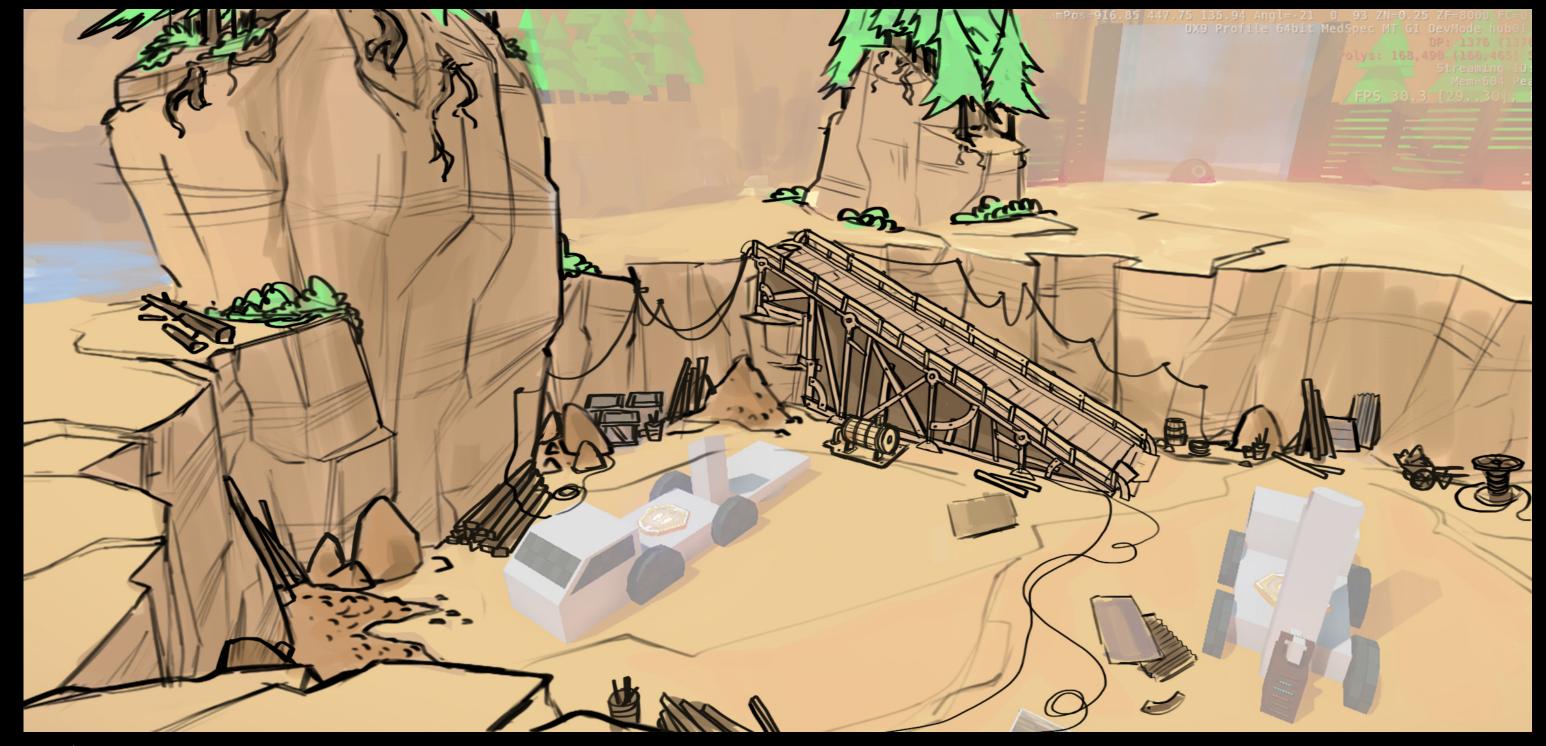






Hub 01 – Mine Cart Area

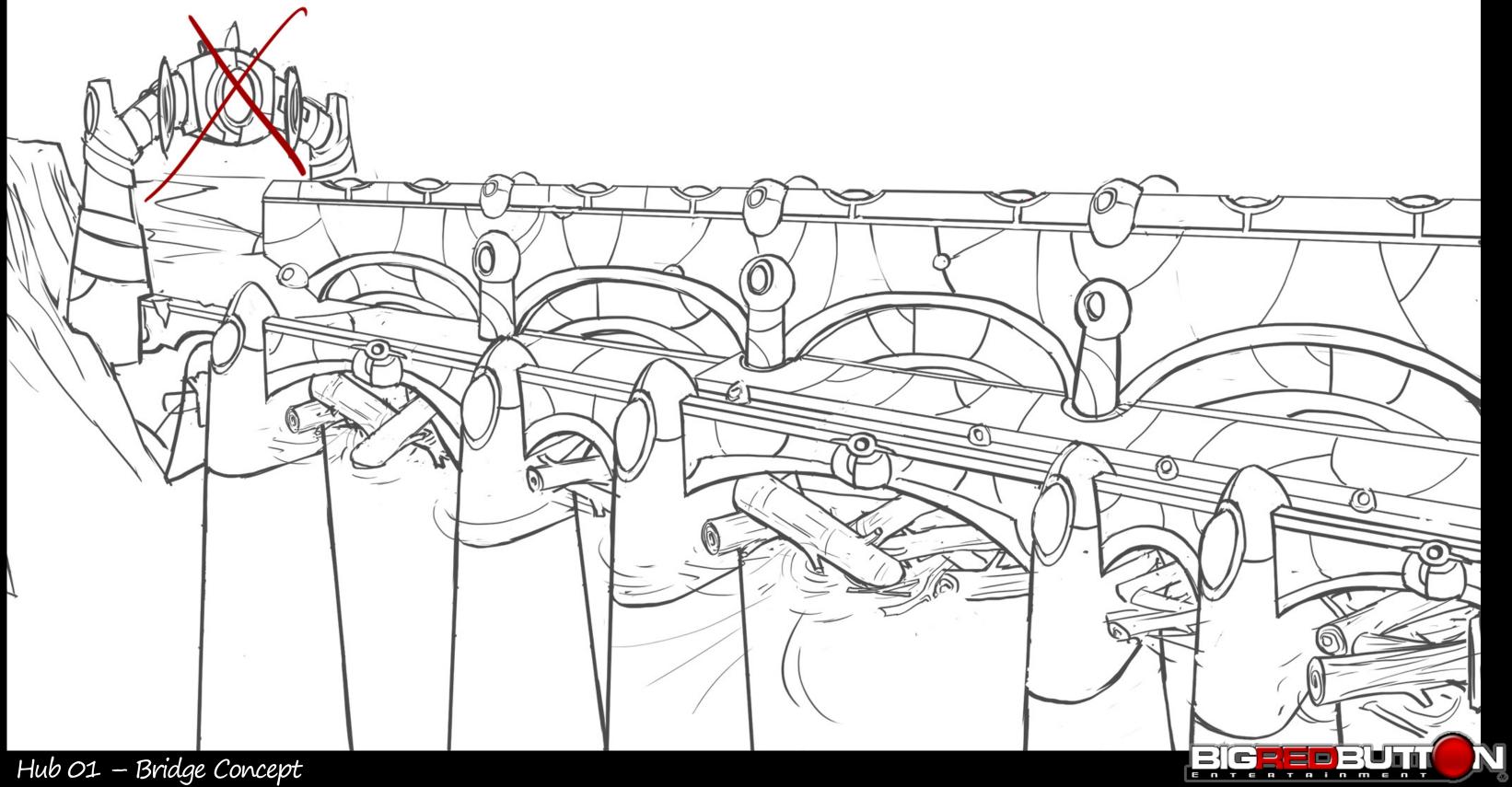




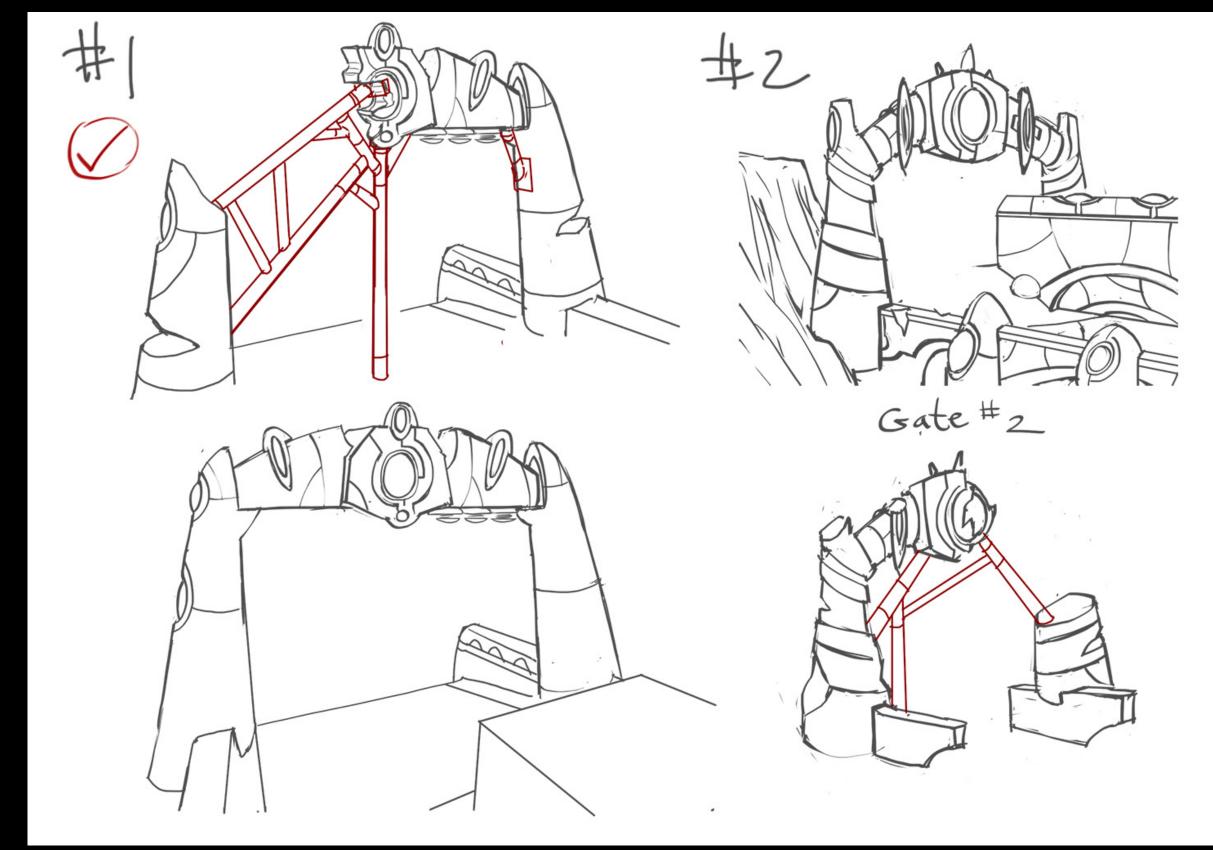
Hub 01 – Truck Ramp Concept



#### Artist: Jason Norton

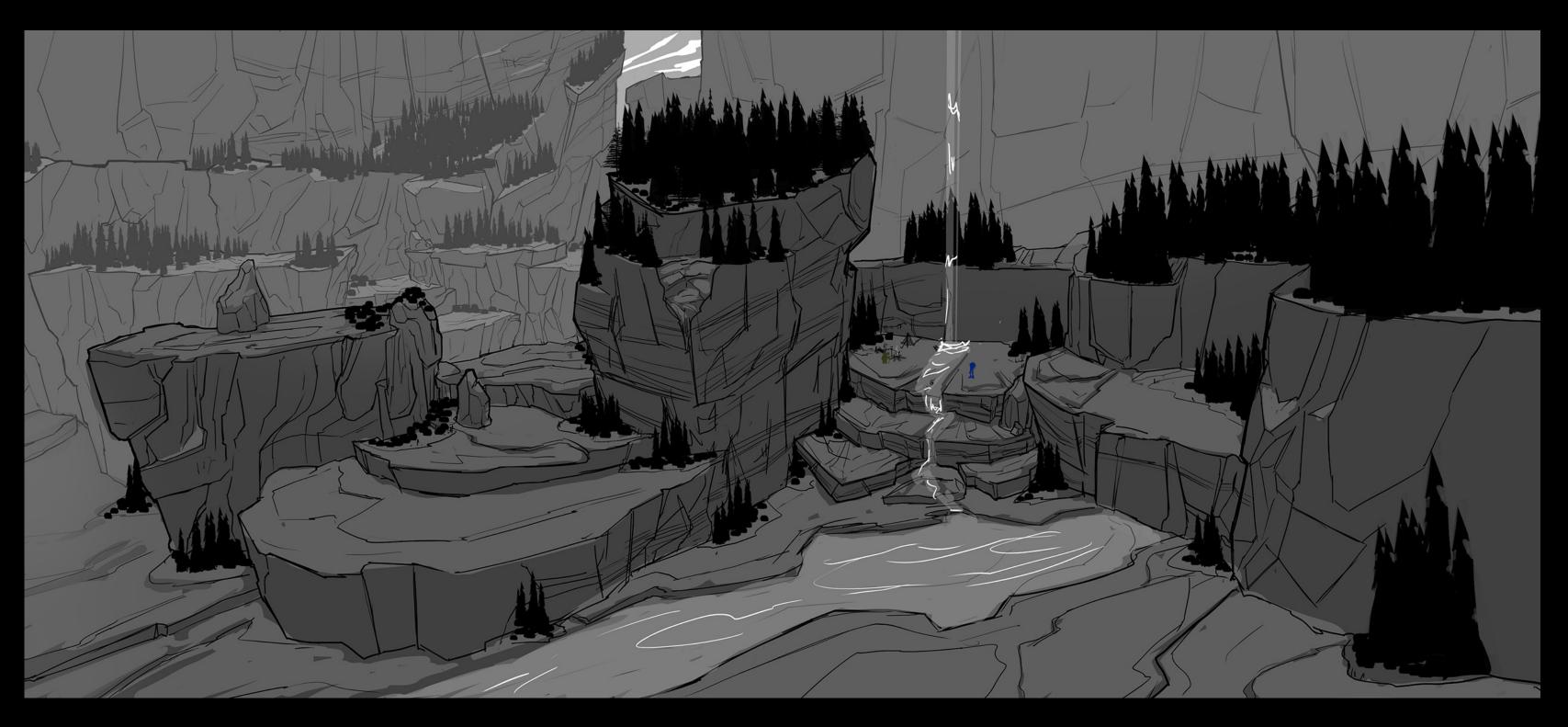


#### Artist: Jason Norton



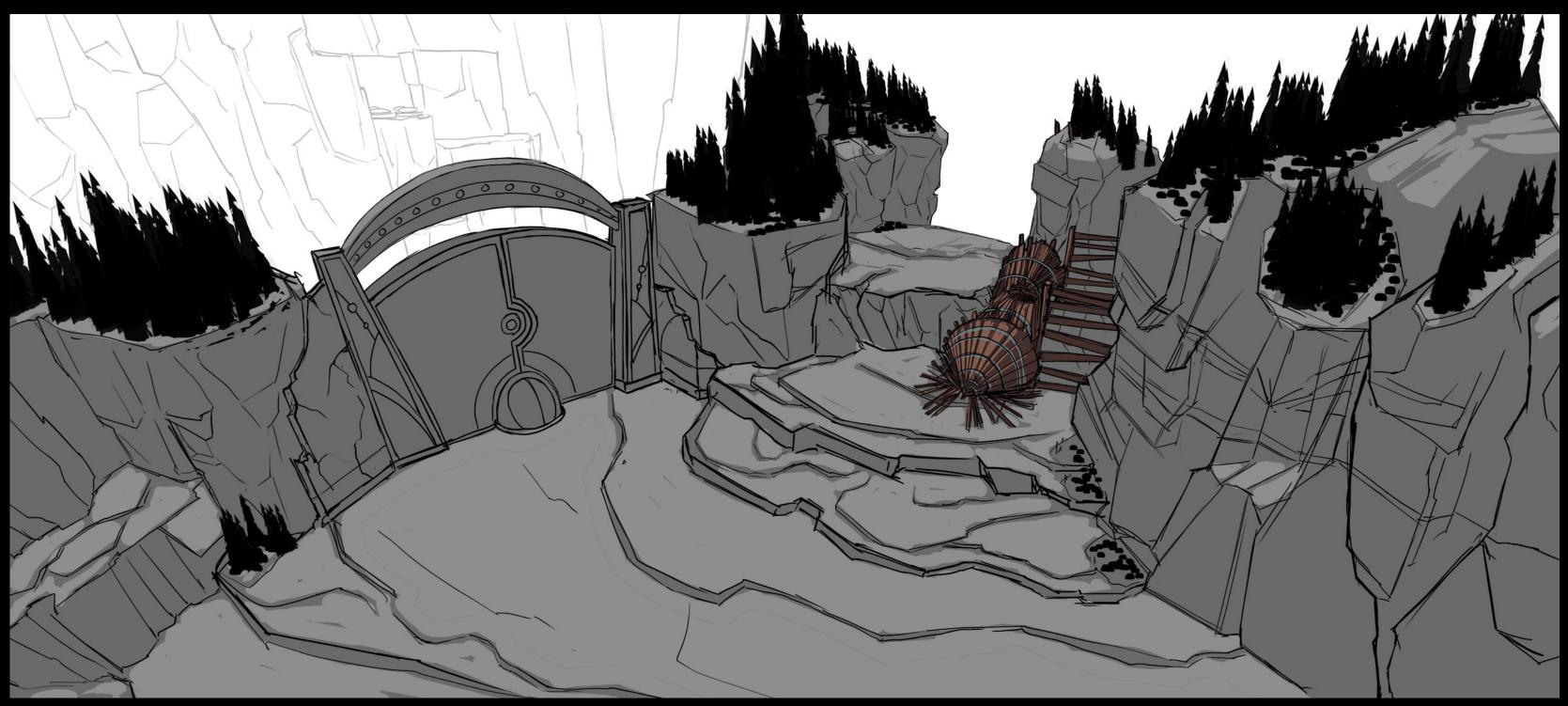
Hub 01 – Bridge Exploration





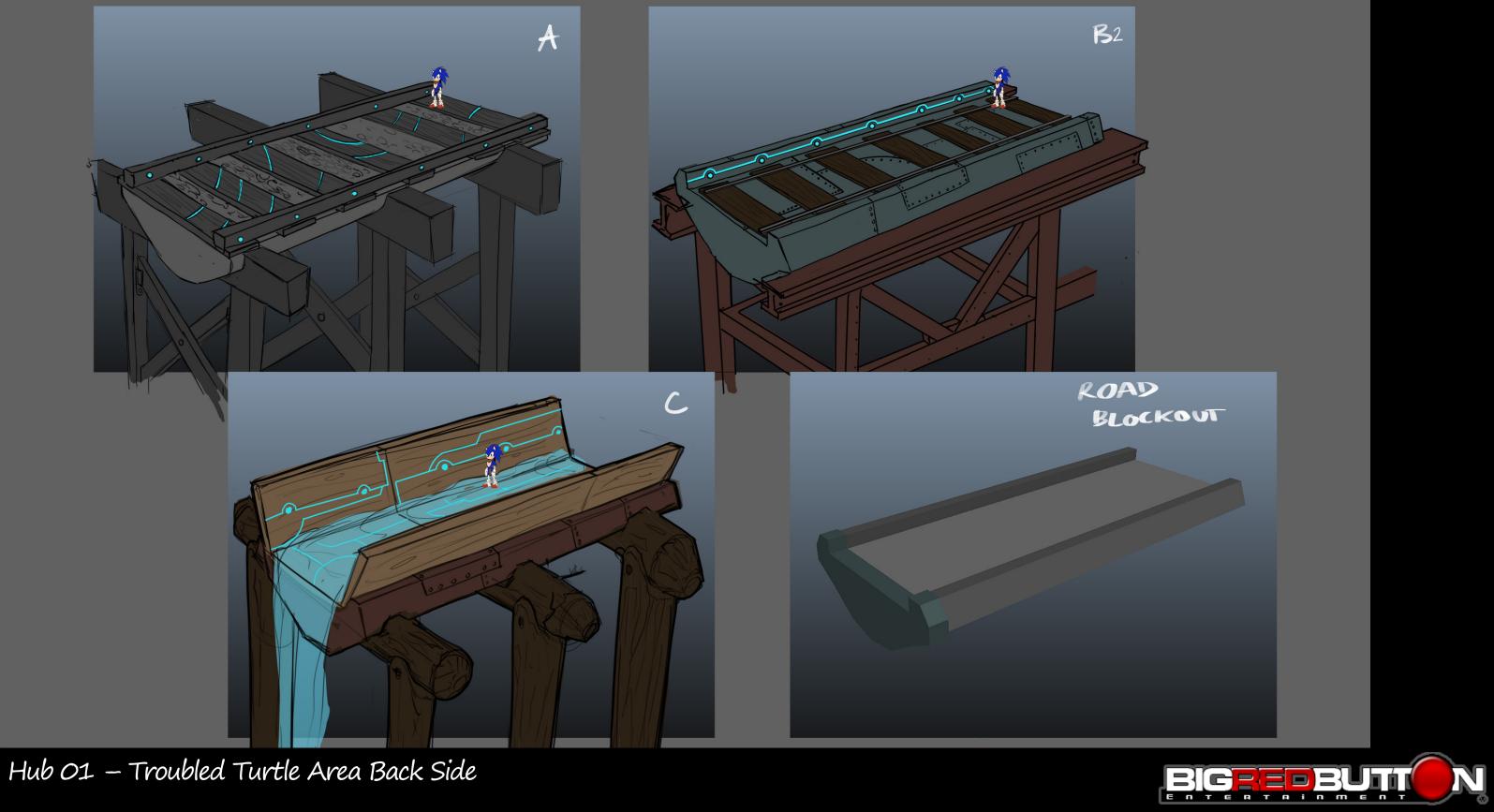
Hub 01 – Troubled Turtle Area

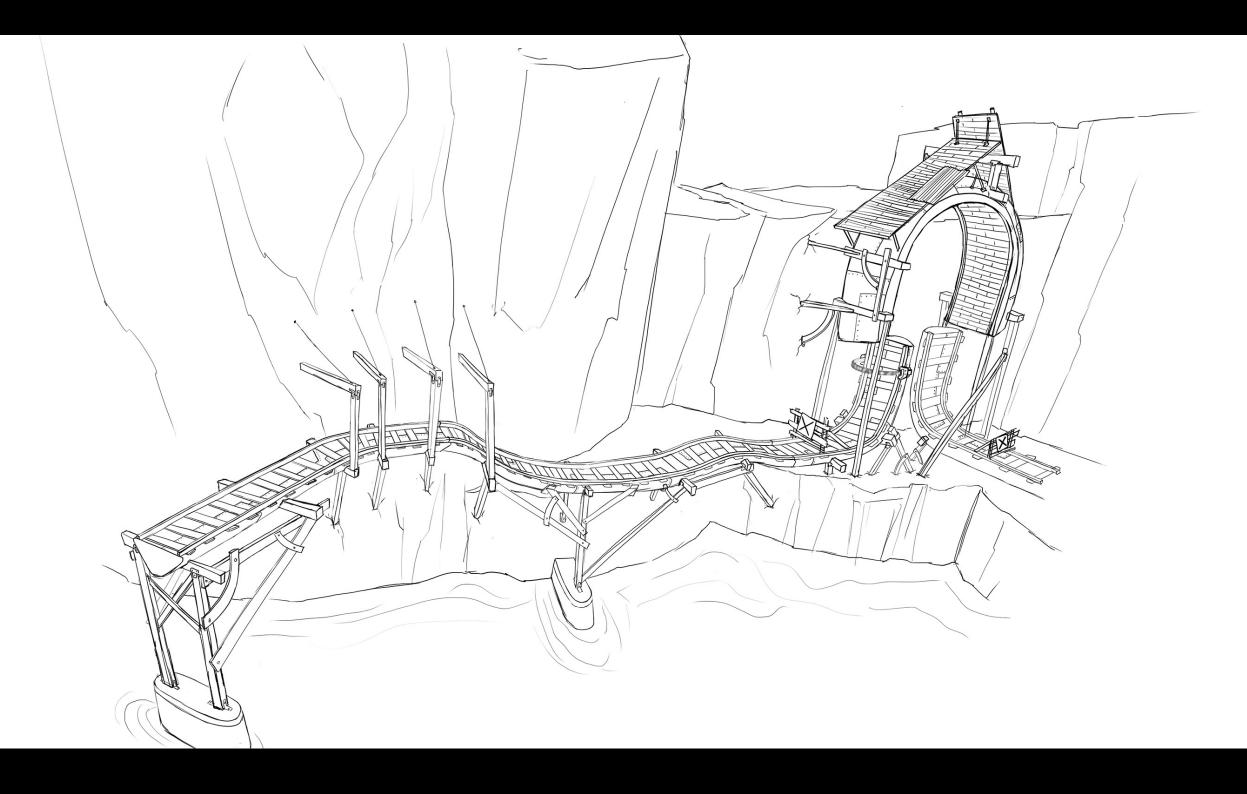




Hub 01 – Troubled Turtle Area Back Side

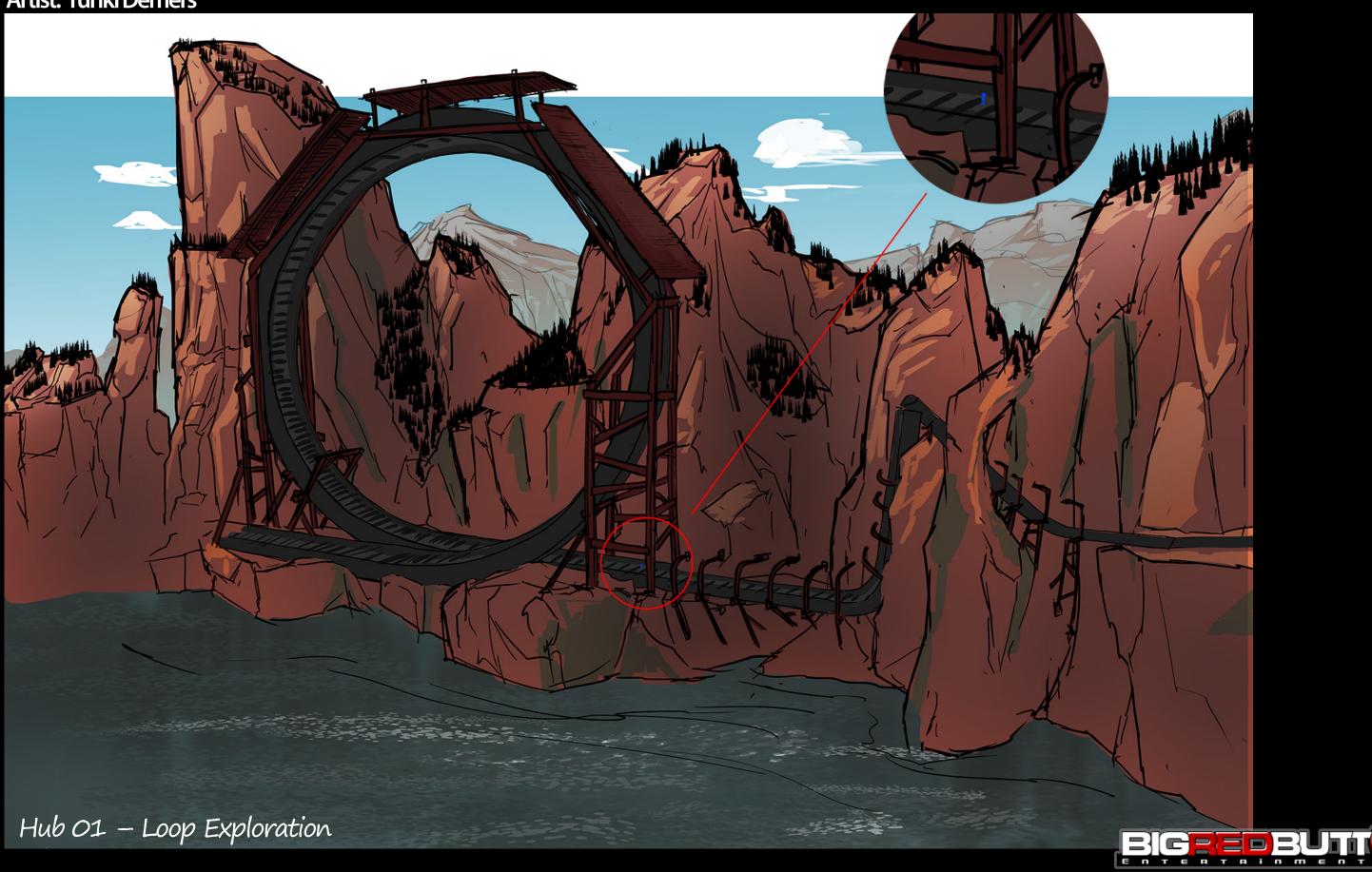






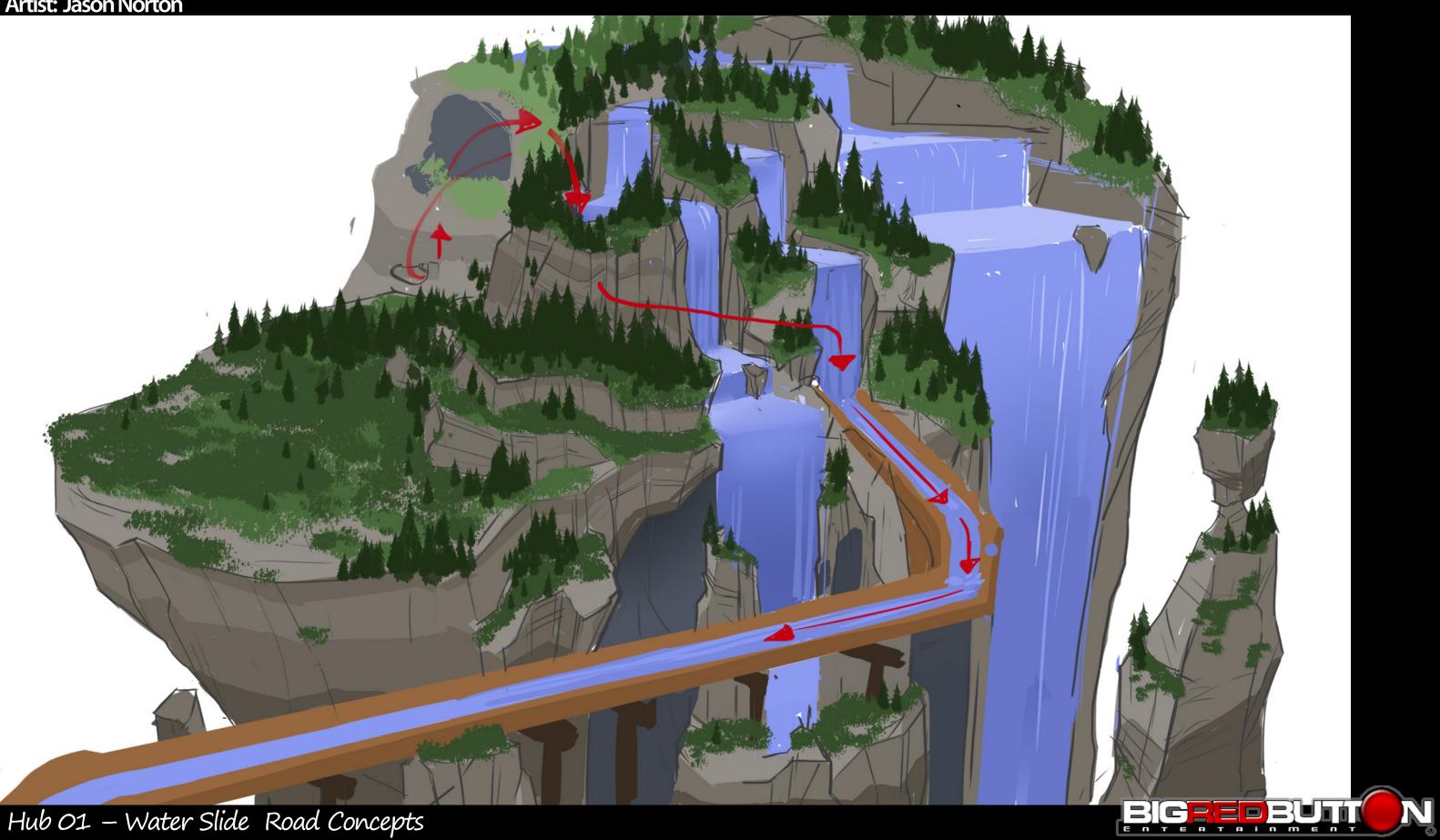
Hub 01 – Road Concepts





б

#### Artist: Jason Norton





Hub 01 – Troubled Turtle Shack Explorations

# FIRE D

BIGEEDBUTT



# TURTLE HUT



Hub OI – Chefs Tent

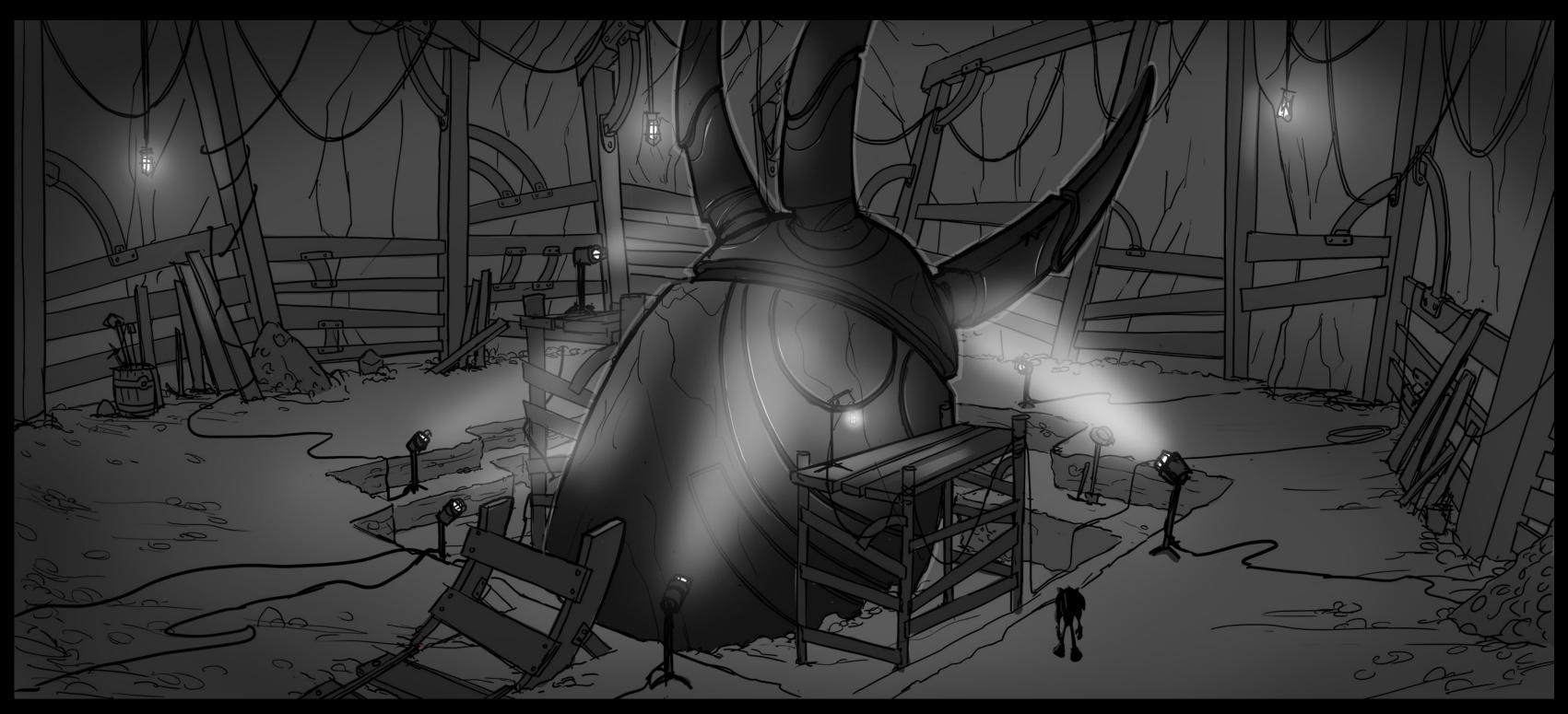




Hub O1 – Mine Exploration





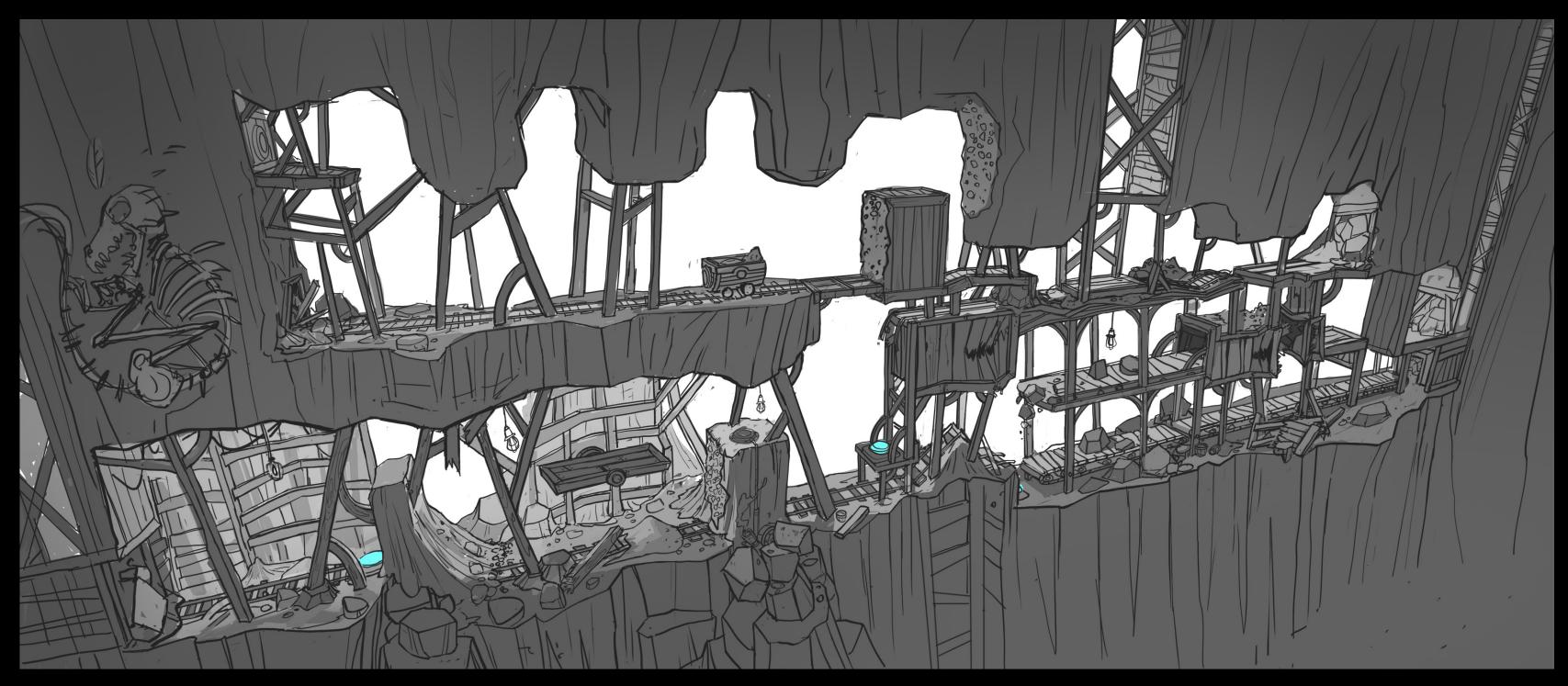


Hub 01 – Golem Hand Room





#### Artist: Jason Norton



Hub 01 – 2D Section





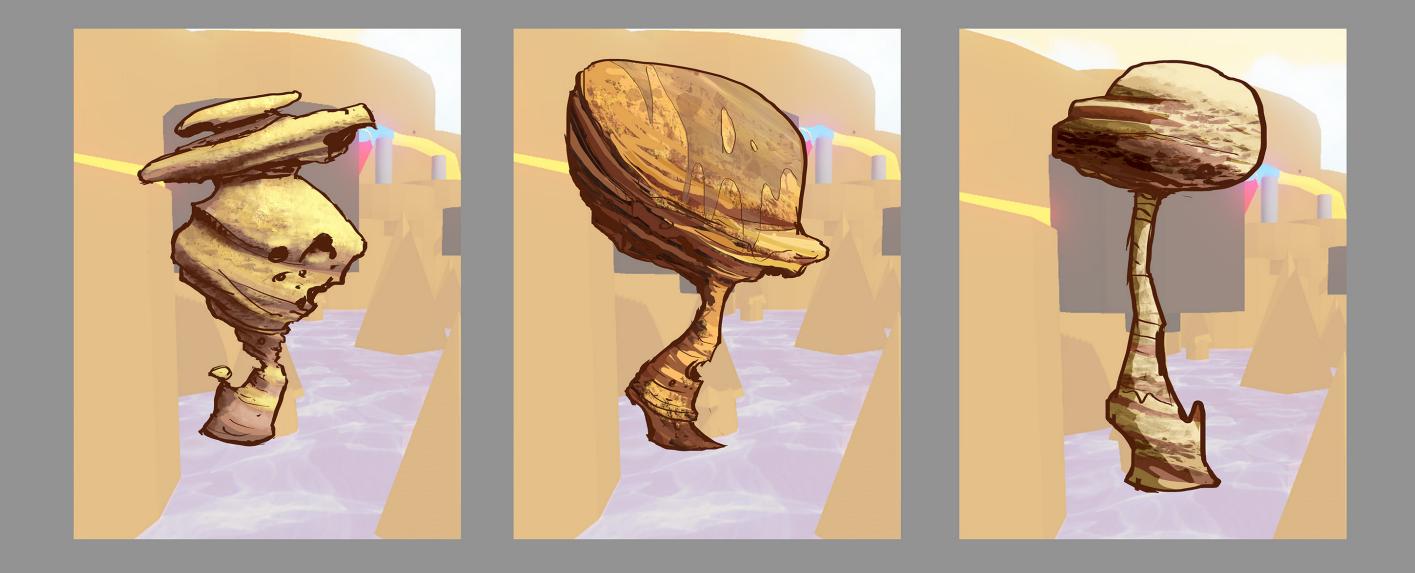
Hub O1 – Waterfall Area





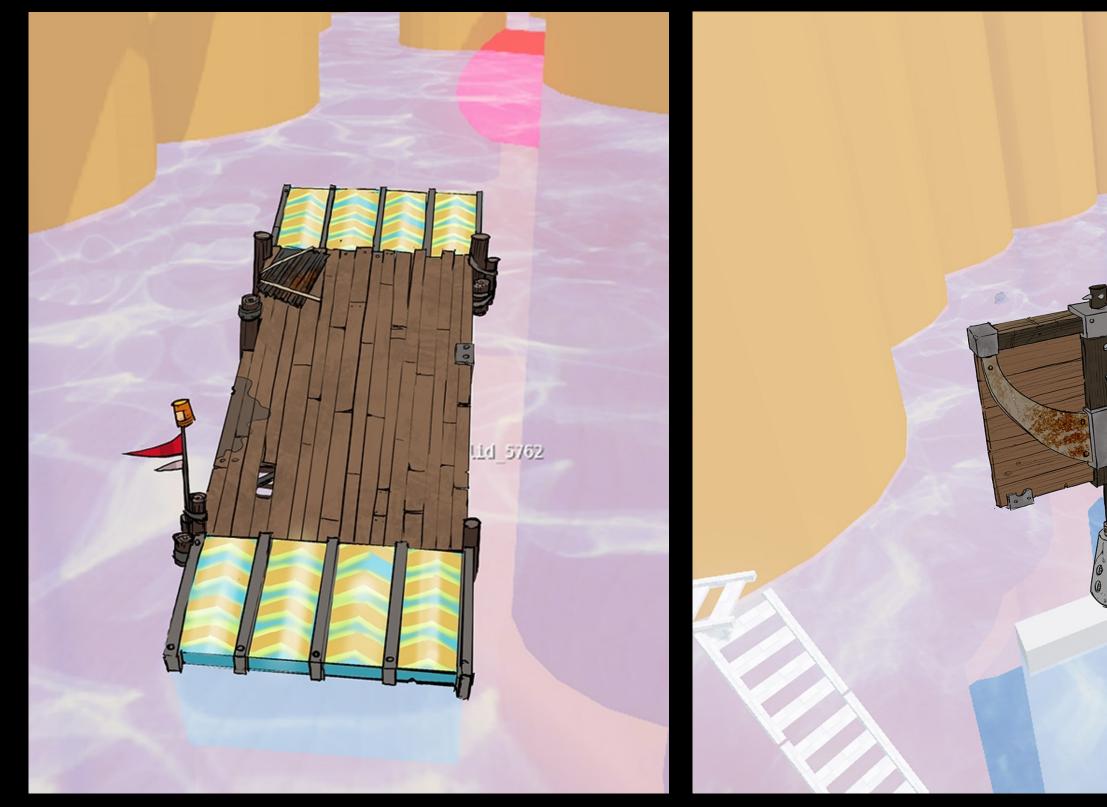
Hub 01 – Warthog Area Concept



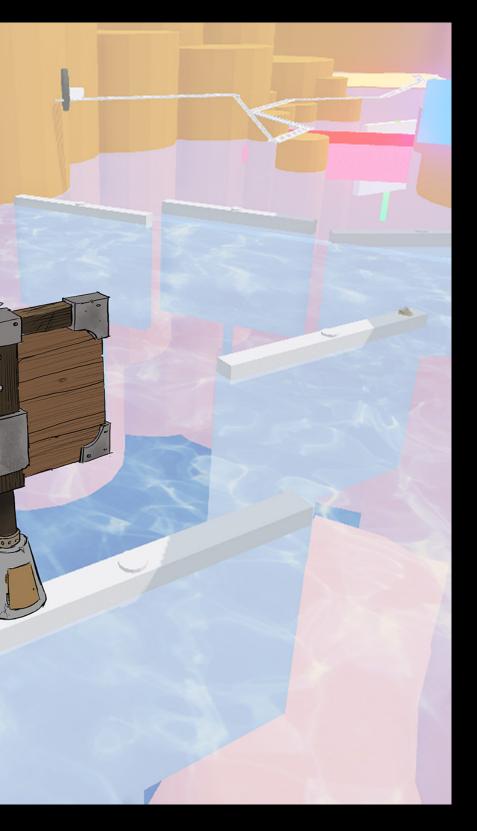


Hub O1 – Warthog Area Hazards





Hub O1 – Warthog Area Hazards





#### Artist: Nicolas Weis



Hub O1 – Warthog Area Hazards

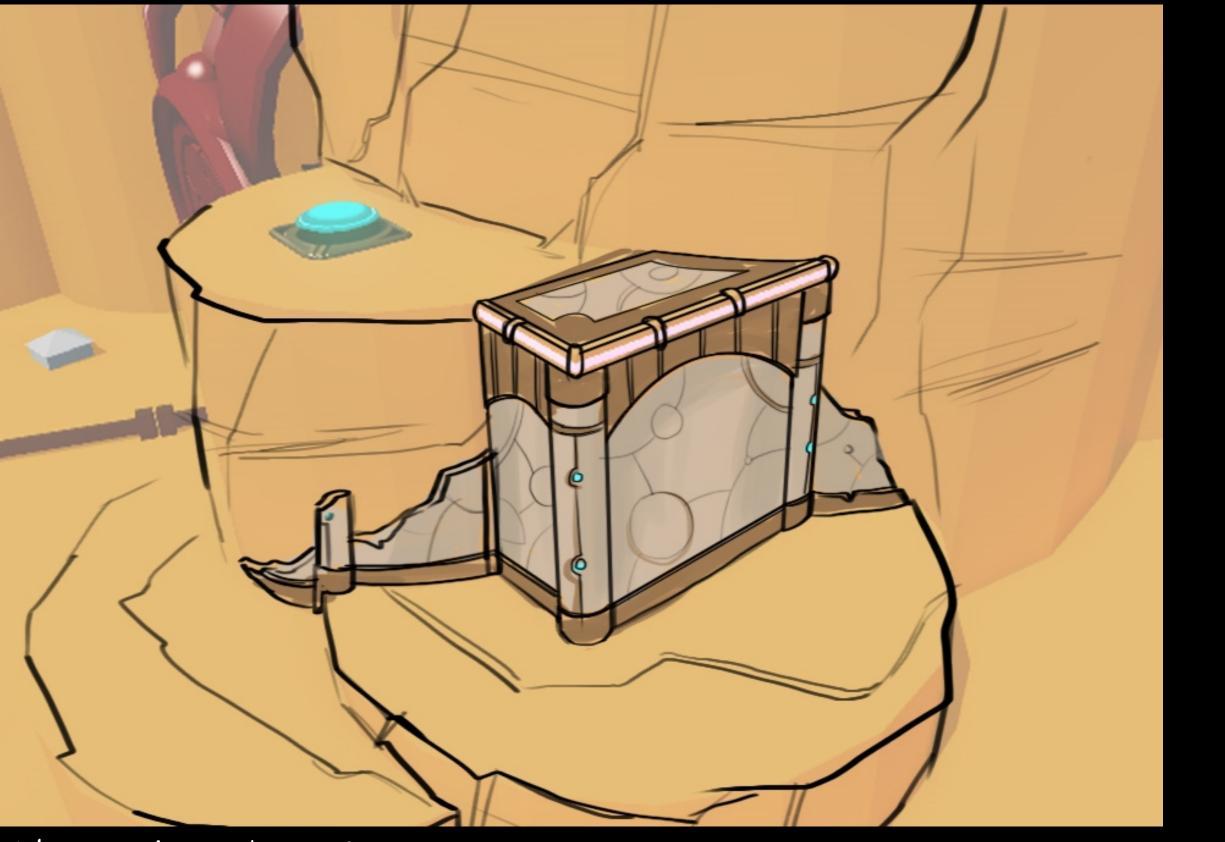


### Artist: Nicolas Weis



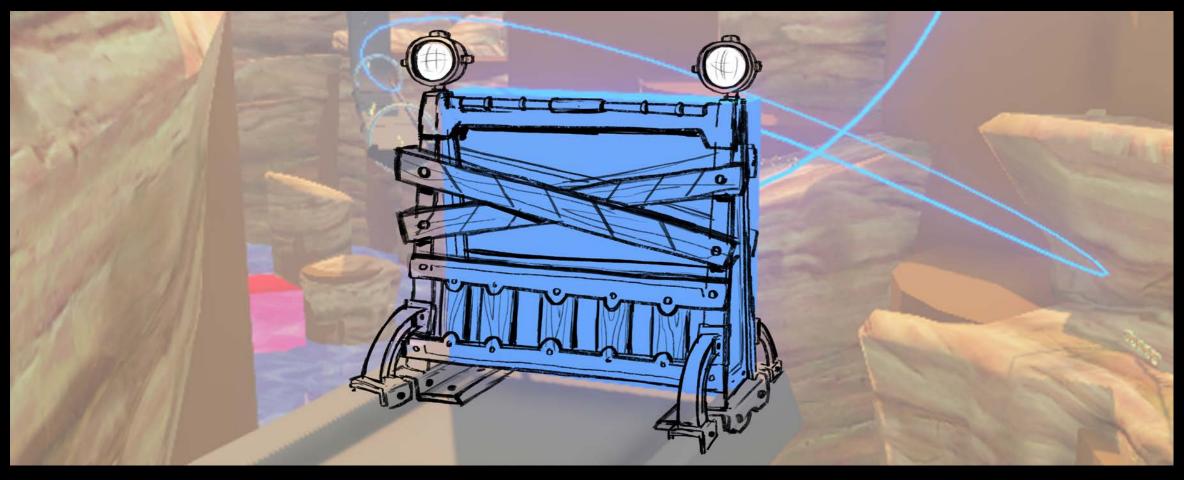
Hub O1 – Warthog Area Hazards

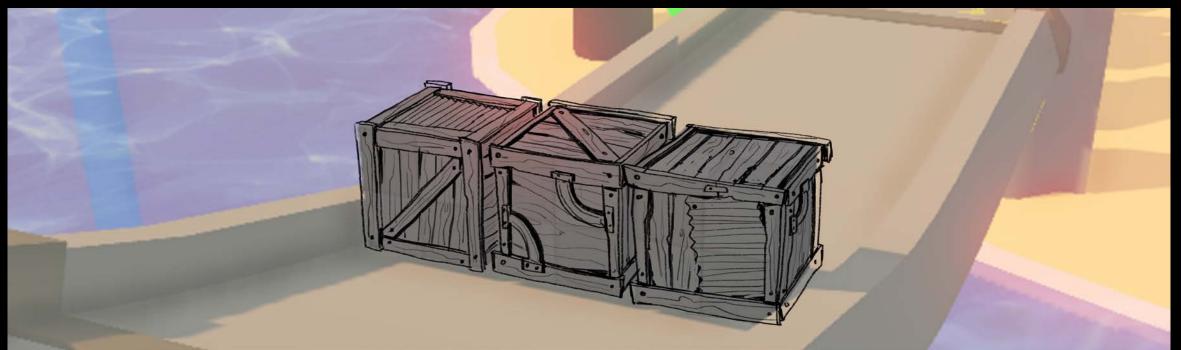




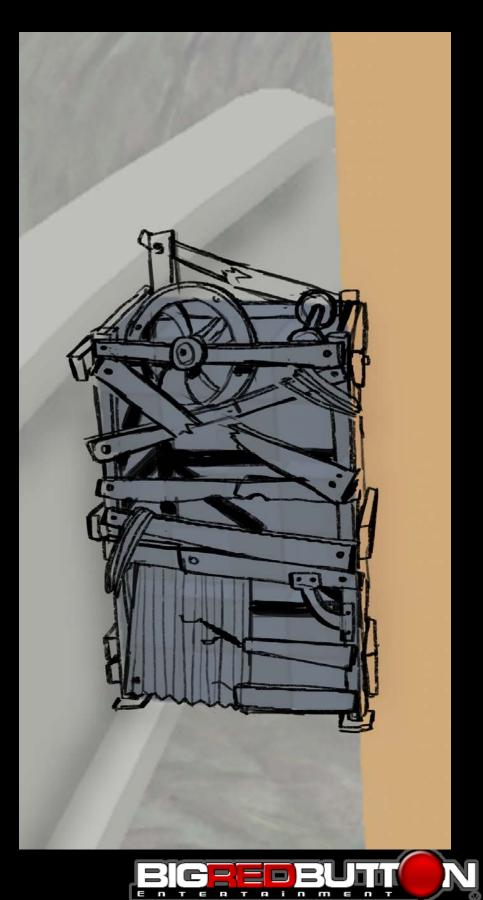
Hub 01 – Mine Track Area Concept







Hub O1 – Speed Track Hazards





Hub O1 – Hoodoo Area Roads





Hub OI – Hoodoo Area Roads



BIGEEDBUTTON

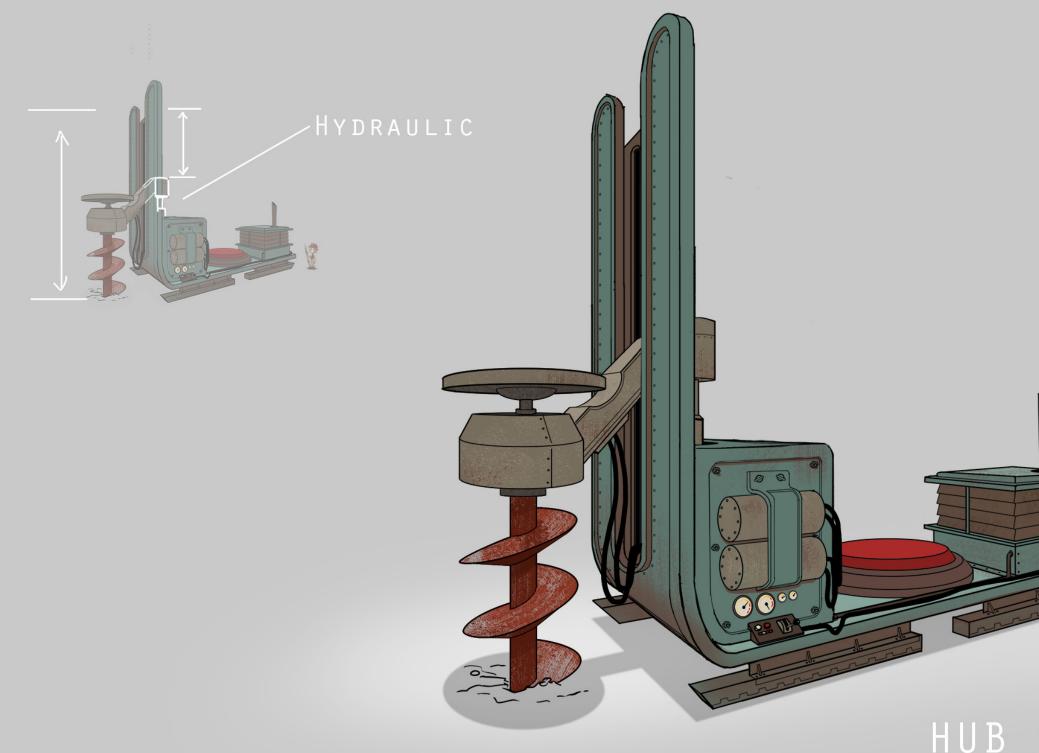


Hub 01 – Cliffs Tent





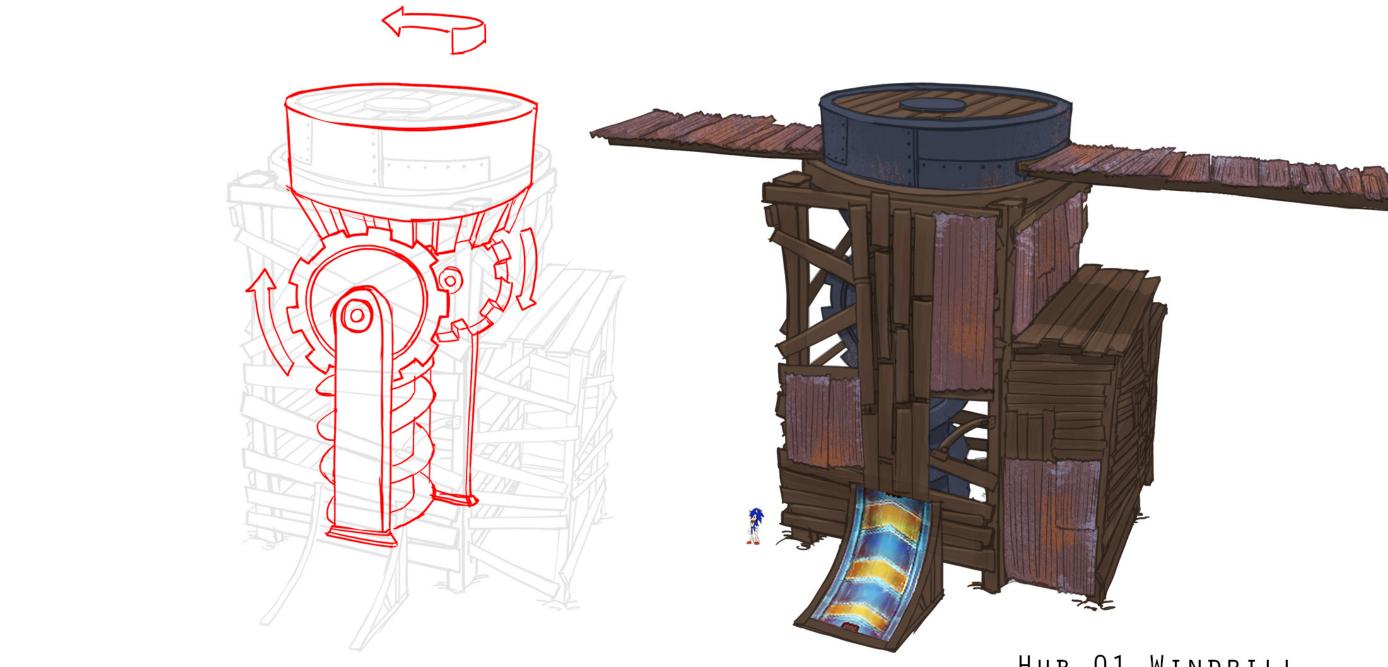




Hub 01 – ForkDrill concept

# HUB 01 : FORKDRILL





Hub 01 – Windrill Concept

#### HUB 01 WINDRILL





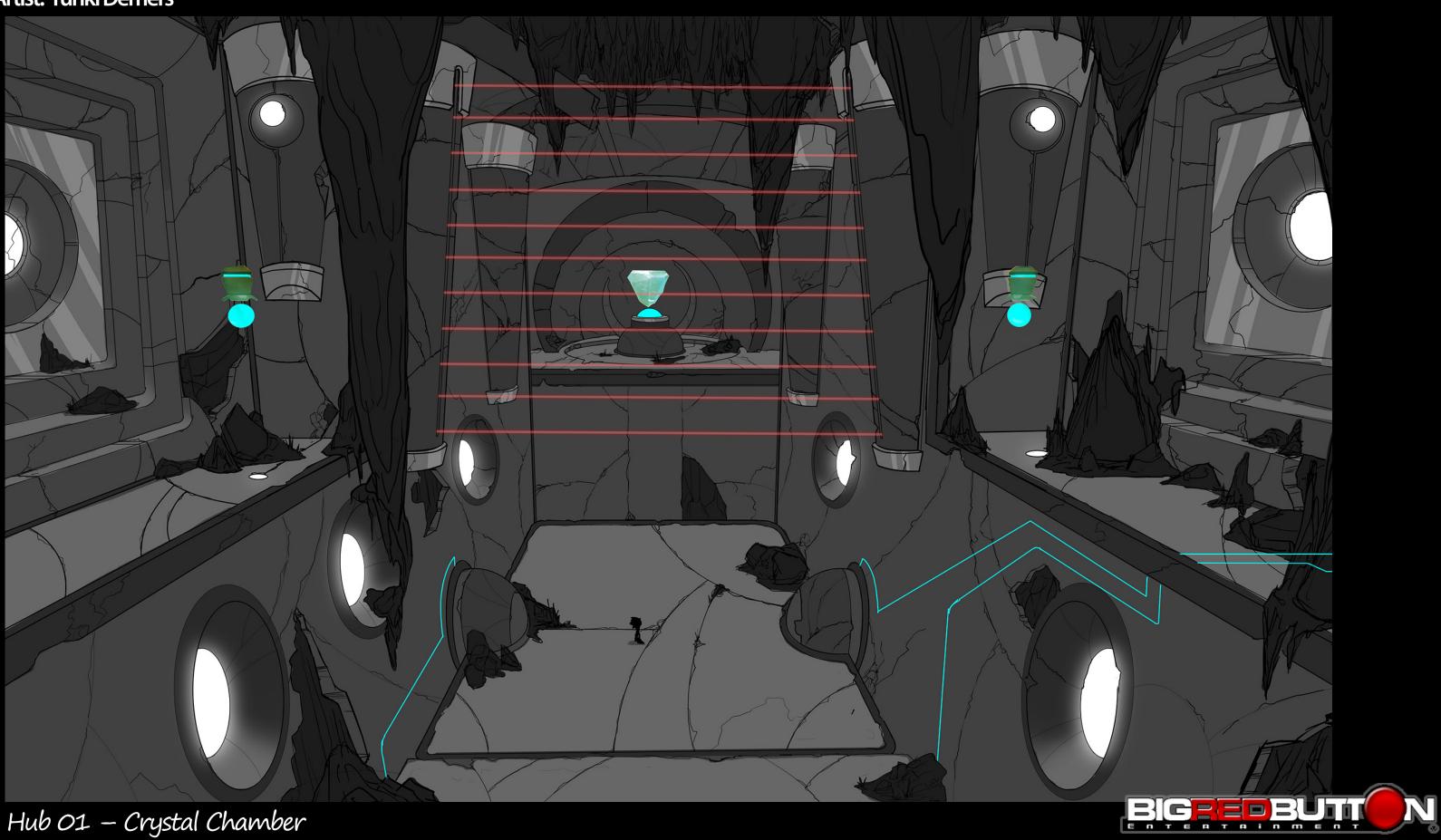
Hub O1 – Crystal Chamber hall DRC Entrance





 $\mathbb{N}$ 6







Hub 01 - Tri-Lock Door Concept

Μ



# VISUAL BENCHMARK ("Static Demo")





### Artist: Armand Serrano







VBM render targets





VBM render targets. Will explore how organically apply iconic checker pattern in this more sophisticated setting.

### Artist: Erwin Madrid



# ENVRONMENT EXPLORATIONS

Tropical Beach





Exploration of iconic tropical beach setting as it could work in Apollo



### Speed Loop Exploration



These work well for suggesting loop shapes, but the patters is too simplistic as checker board and looks too deliberate. Having **non-repeating** patterns like this will make it feel like an aesthetic art direction choice rather than a natural bi-product of the Ancients' ability to mold rock.



We need to push this further in Apollo in order to fit into our more complex organic settings and art direction. Basalt columns are the best example of naturally developed patterns





## *"Familiar, but New"*

Combine that with a Mayan or Islamic like pattern, or anything that is more square patterned than curved, and I think we'll have Apollo's unique signature.





Artist: Armand Serrano

Basalt rock



Rock columns formed by the tectonic plates pushing them up creating speed tracks and organic "new" ckecker pattern.





# *"Familiar, but New"*

Apollo treatment for Sonic's iconic checker board visual treatment around tracks and loops. Addresses the following;

- Track treatment as you've explored
- Integration into surrounding rocks
- Suggestion of beach elements like; sand, palms, grasses, burms, sand dunes, etc.
- Incorporate some form Ancients structures to the scene ideally of two scales (massive and small enough to be viewable by scene camera); towers, pillars, walls, Guardian statues (fallen?)





SPEED TRACKS (ONCEPTS PROJECT APOLLO





# "Familiar, but New"



#### Artist: Armand Serrano

# Prototype Level Draw Overs

Prototype WIP environment source image capture which was drawn over to guide final modeling targets

Speed Tracks (oncepts Project Apollo





"Familiar, but New"







Prototype Level Draw Overs



# ENVIRONMENT EXPLORATIONS

# Ancients Structures





#### Artist: Armand Serrano





# Art Brief: Exploring Ancients' structures, temples, subterranean sections like tunnels, mines, networks, etc. Our goal here is to find an interesting blend of "alien", ancient technology supported and not at odds with nature, without getting too medieval or sci-fi. I think focusing on large scales and masses is the key. Object is to define; Generic Ancients' structures, shapes and surface properties of piping, and technical components. This pickups prior work on towers influenced by German bunkers.

- Ancients iconography of guardians in wall and pillar reliefs. How is technology blended, how is it presented?
- With above language better defined, bring it together in set layout exploration.



#### Artist: Armand Serrano





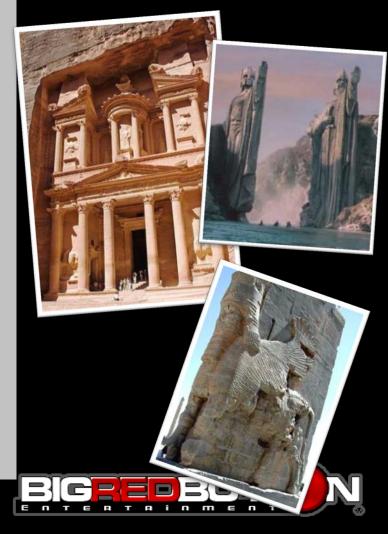


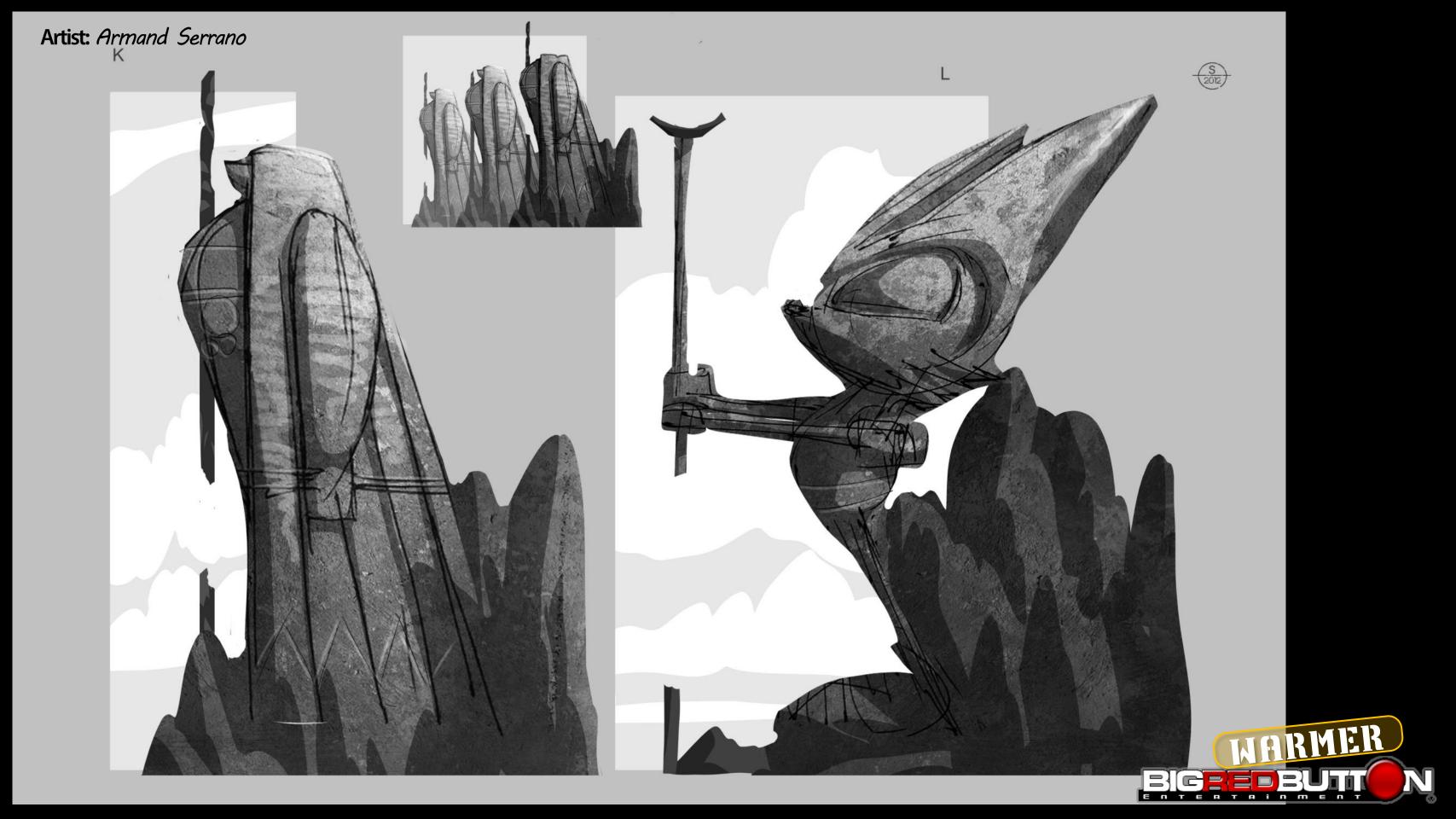


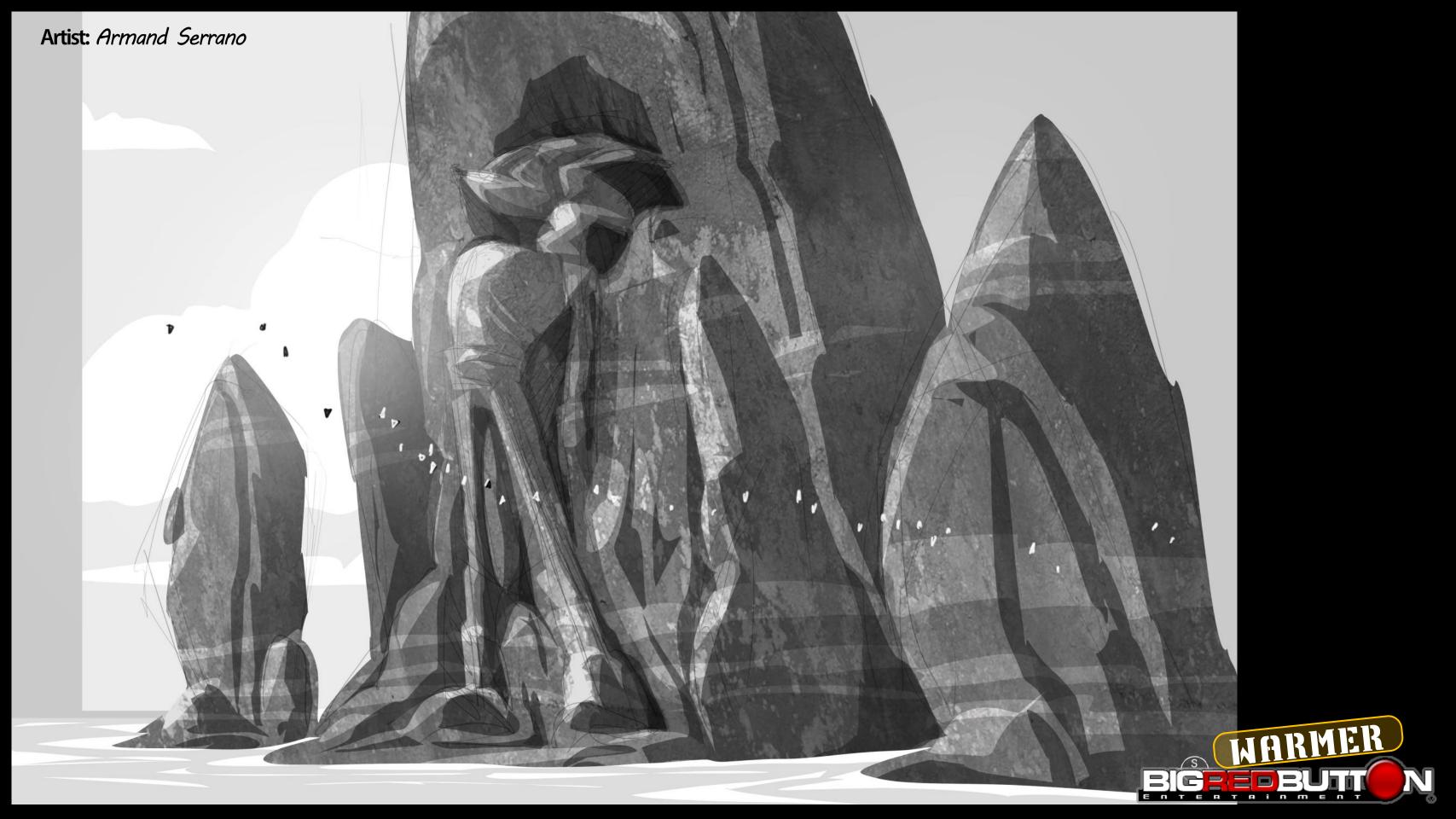
#### Art Brief:

Exploring massive weathered Guardian statues built from rock. Guardians are anthropomorphic with the same language as our team as Hedgehogs.

- Appropriate Influences could be
  Argonath Statues in Lord of the Rings
- as combination of grand structure in natural setting
  Gates of Xerxes of Persepolis or wise and calm face of Buddha statues for the Guardians.







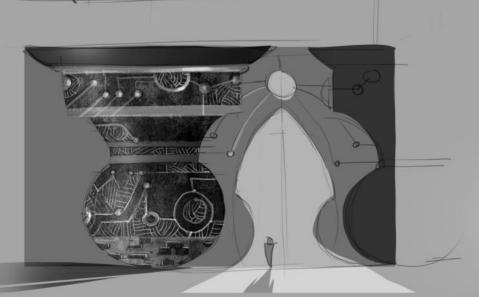


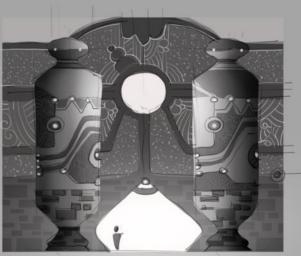
Hub 01 – Statue Studies



#### Artist: Armand Serrano









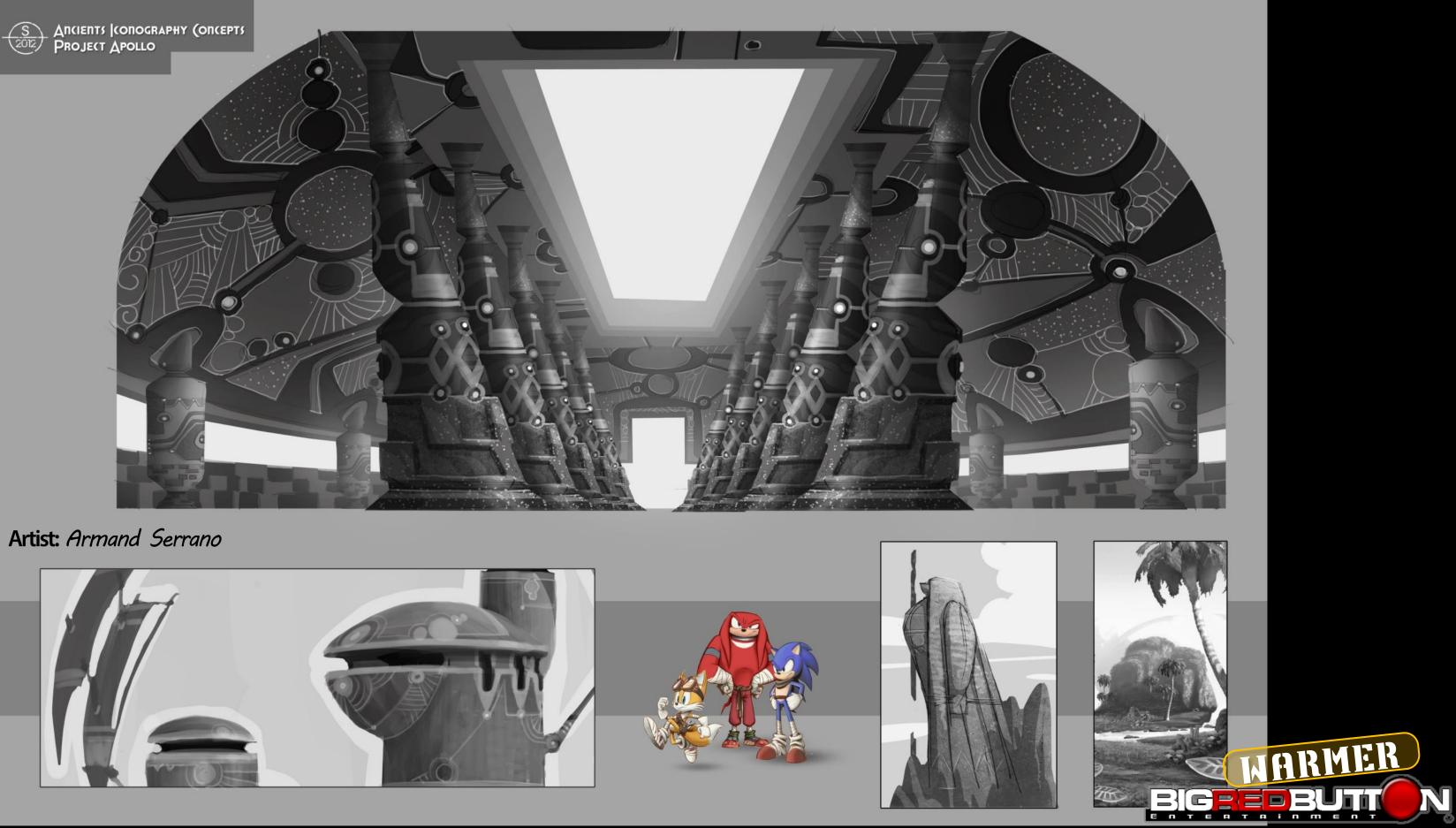


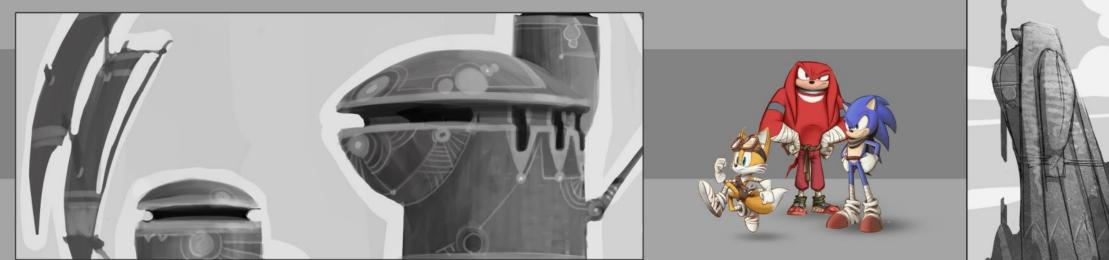
These shapes work better to capture Ancients' benevolent technology.

Good look to further advance.

S 2012 Ancients Iconography (oncerts WARMER PROJECT APOLLO 

ENTERTAINMENT



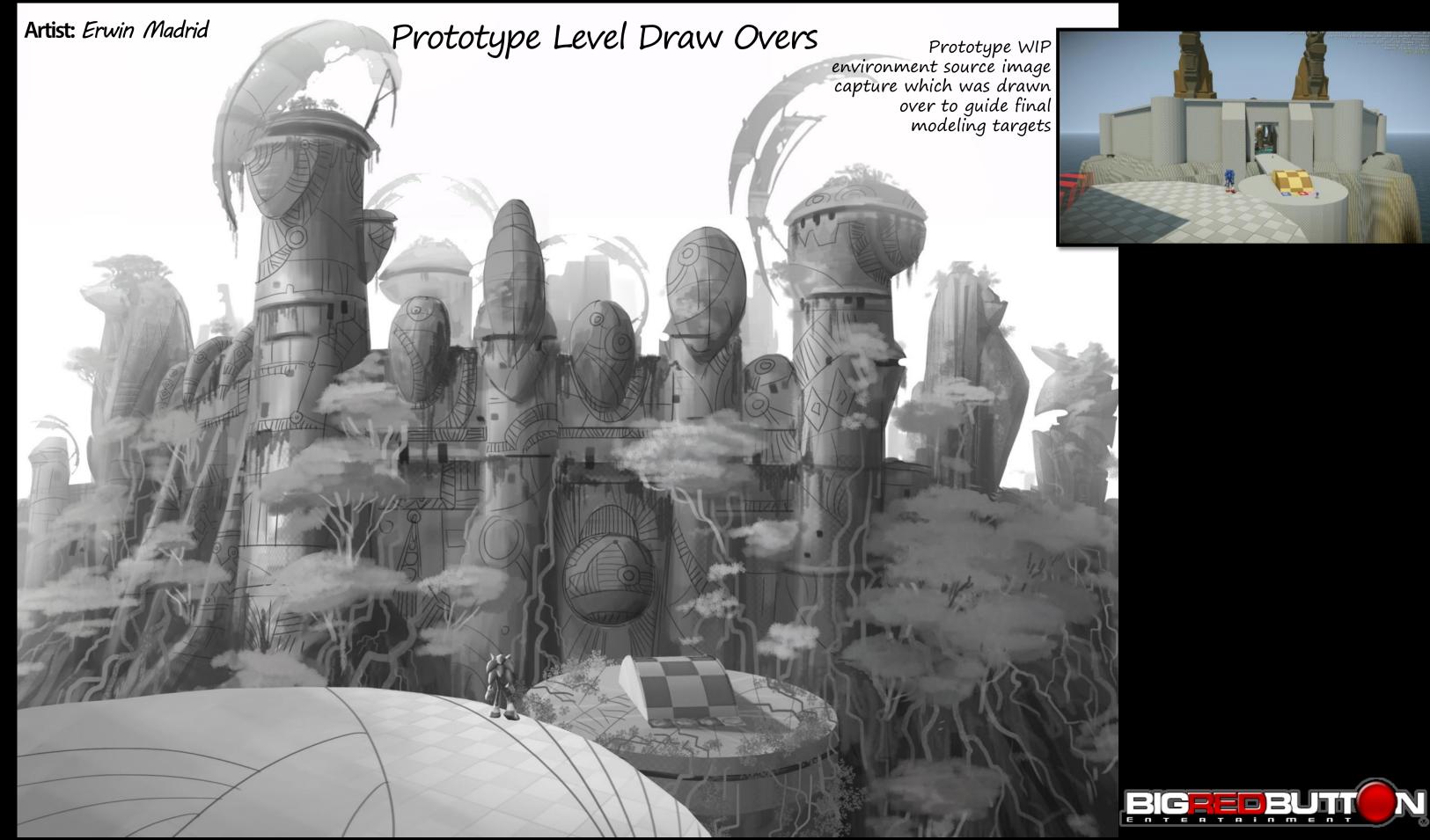




Ideal use of scale, use of circles as main Ancients' shape. Feel unique but still archetypal of cathedral or places of wisdom.













Pedestals/Speed track Layout Project Apollo



# Prototype Level Draw Overs















Full structure



## First Playable Draw Overs



11

1111

2012

(OURTYARD

#### Central courtyard





(HAMBER · 2







8

~

Right chamber, bungee sling shot game play.

First Playable Draw Overs

=

....

Left chamber, bungee drop game play.





## First Playable Draw Overs

Speed track, pre assembly.



# ANCIENT CLIFF STATUES





Artist: Travis Koller

# First Playable Draw Overs

Speed track, pre assembly.





# Vertical Slice Level





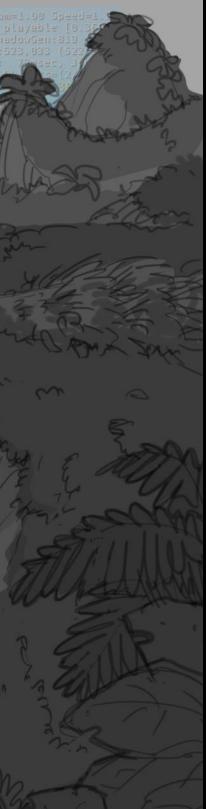
R

### Vertical Slice Level Draw Overs

Ranger Grunt introduction valley.



ngl=-25 9 -71 2N=9.25 2F=8809 FC=9.79 20 9 Profile 64bit HighSpec GI DevMode first DP: 2134 (2133) 5 Polys: 839,548 (829,283) Shadow Streaming IO: ACT Hem=1041 Peak=1095



### Vertical Slice Level Draw Overs

Second Pedestal of the Ancients glade where team is granted bungee yank ability.





# Vertical Slice Level

stalagmites cross section ref



### Vertical Slice Level Draw Overs

Further developed color key, with exploration of a signature biproduct for the worm such as dark oil or green slime.

Blue gemstone path is a concept for naturally occurring speed track path.



Worm Hole Project Apollo

#### Artist: Travis Koller

### Vertical Slice Level Draw Overs



Team then proceeds to fallen bridge section where they have to use bungee slingshot to traverse

# ENVIRONMENT EXPLORATIONS

Warthog Ruins









#### SIZE COMPARISON W GIANT GATE.



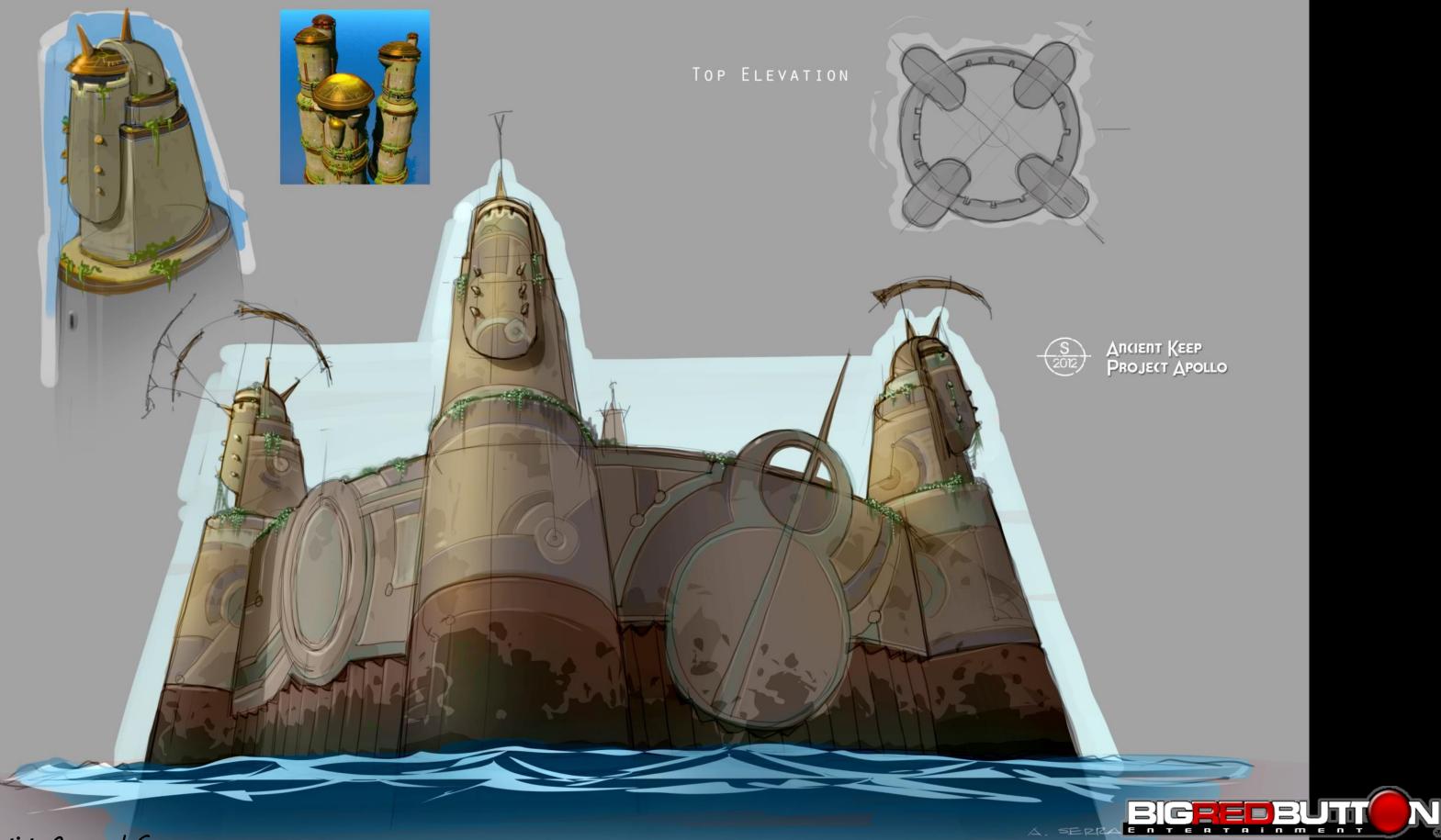
## WARTHOG DOOR

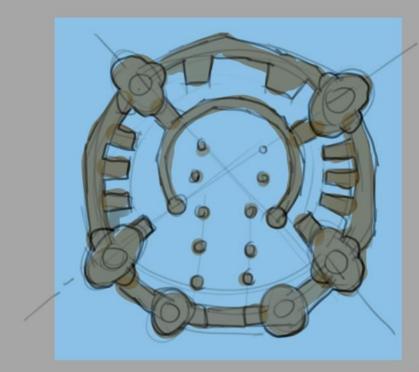


Artist: Travis Koller







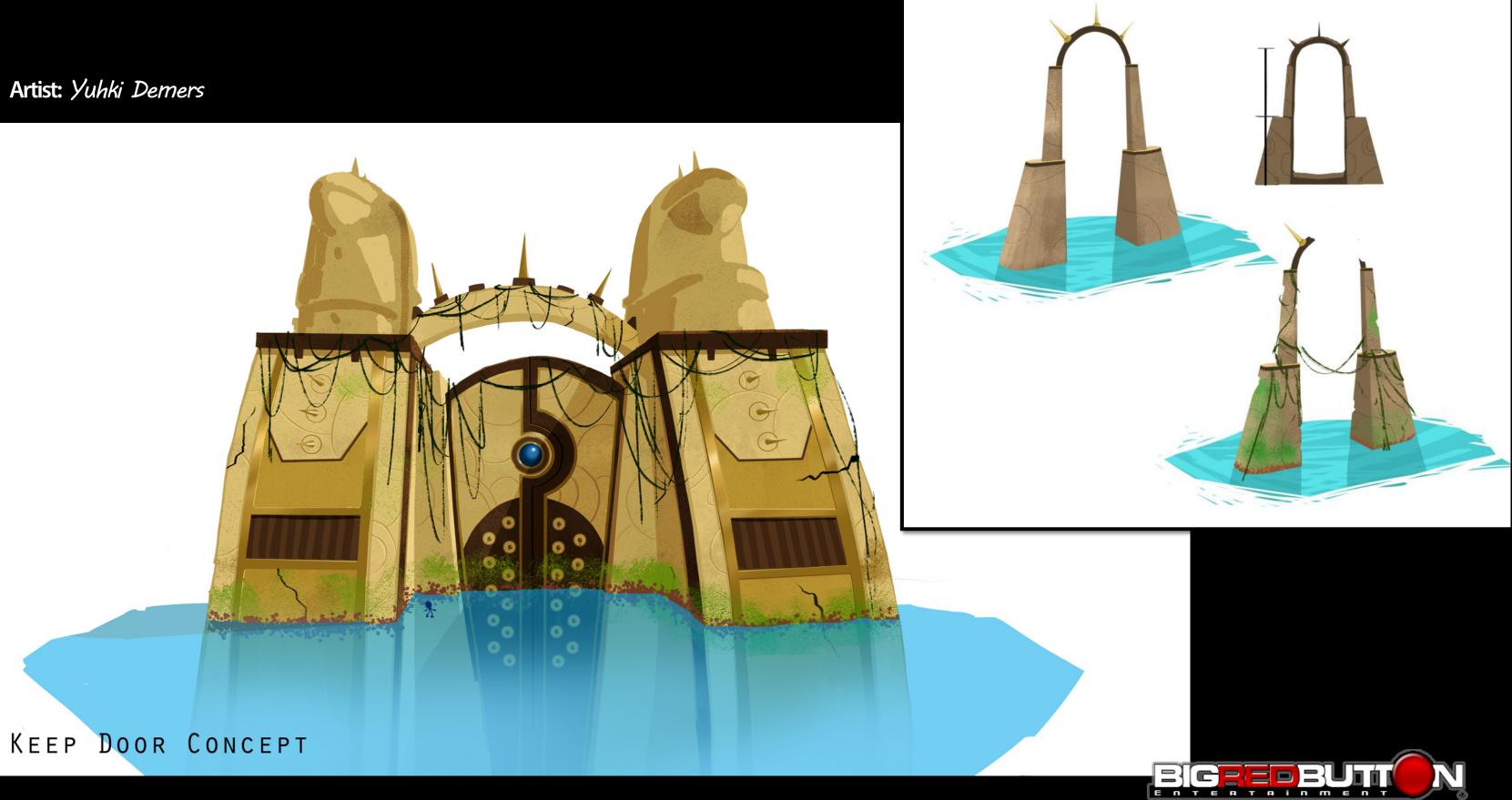


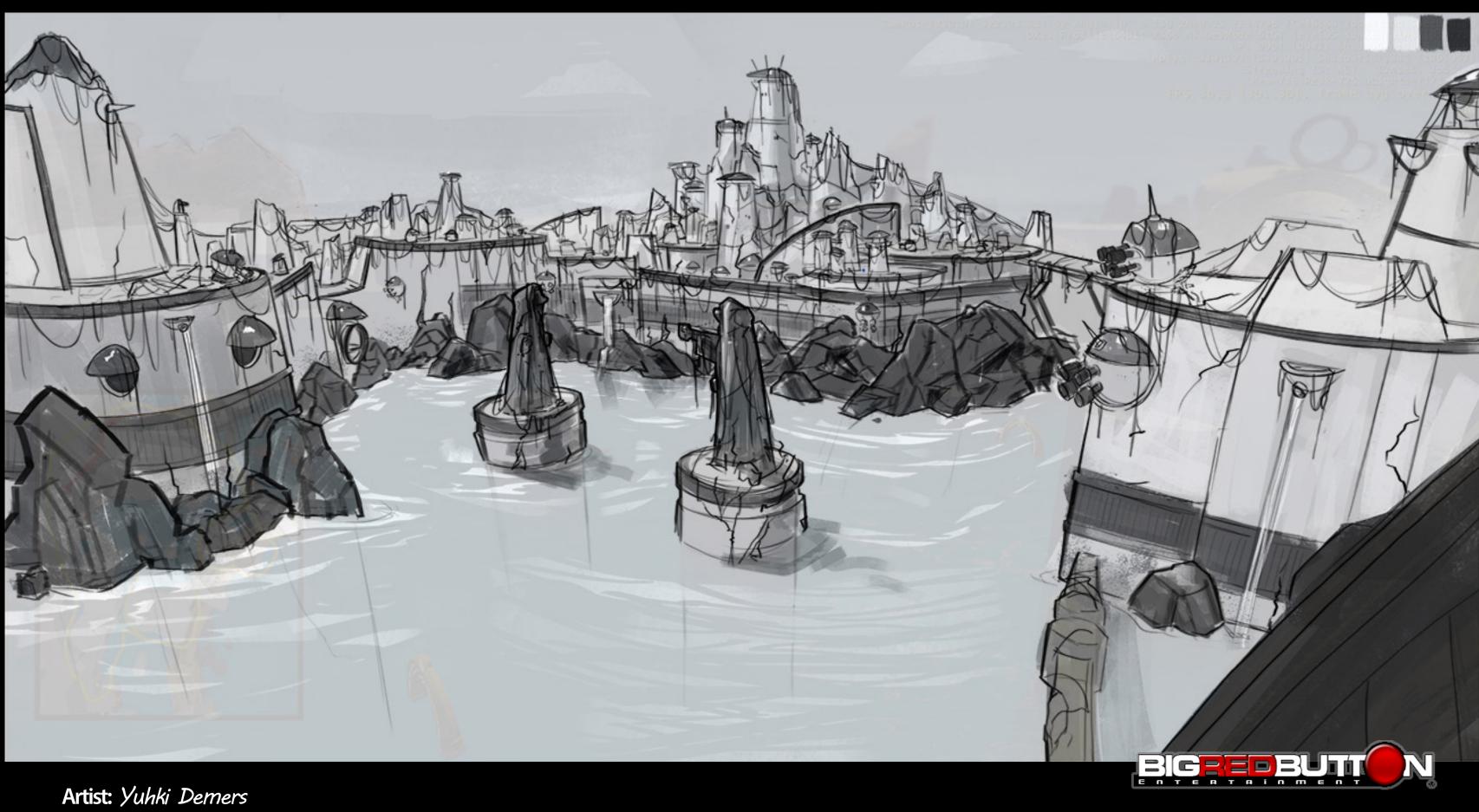


Ancient Keep (ourtyard Project Apollo



Artist: Armand Serrano







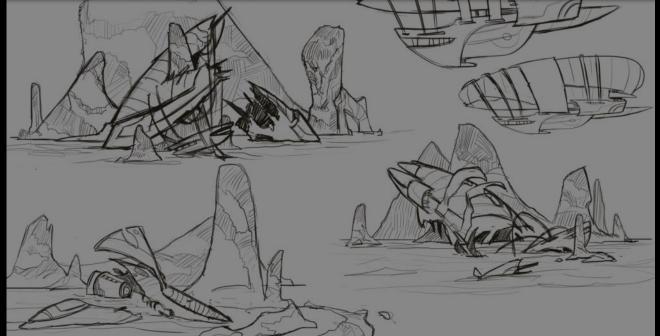
Artist: Yuhki Demers

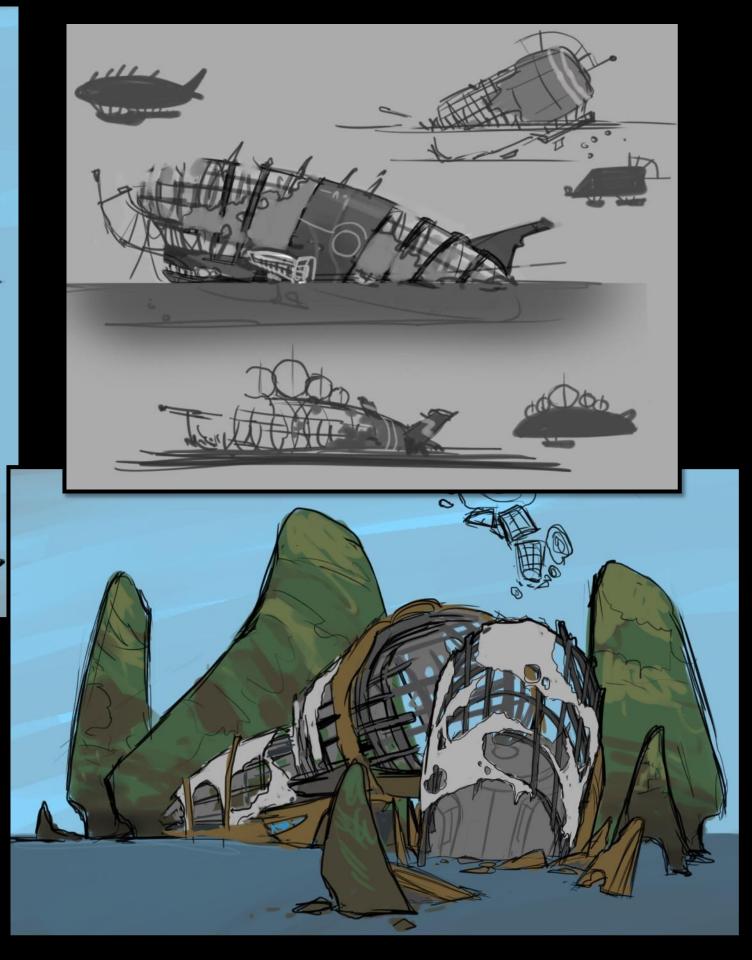
CamPos=884.34 1370.92 83.93 Angl= 11 .9 - 57 ZN=0.25 ZF=4618 DX9 Profile 64bit X360 MT DevMode StGT DP: 1259 Polys: 449,364 (446,54 Streamin Mem=74 FPS 30.3 [30,.30





Relicts of Ancient dirigibles from an old battle scatter across the Warthog level with hints of air battle and floating fortress to come later in act2.

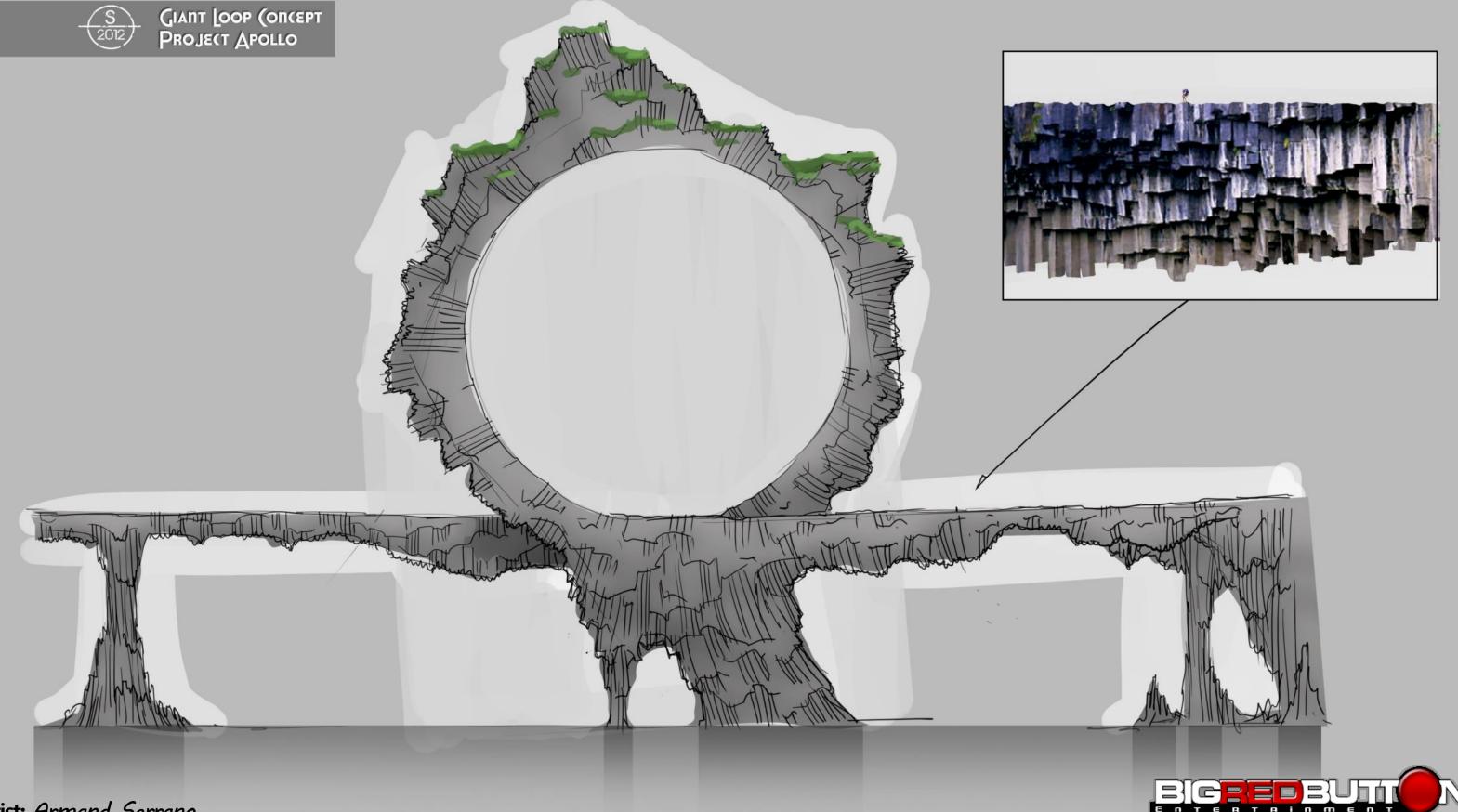


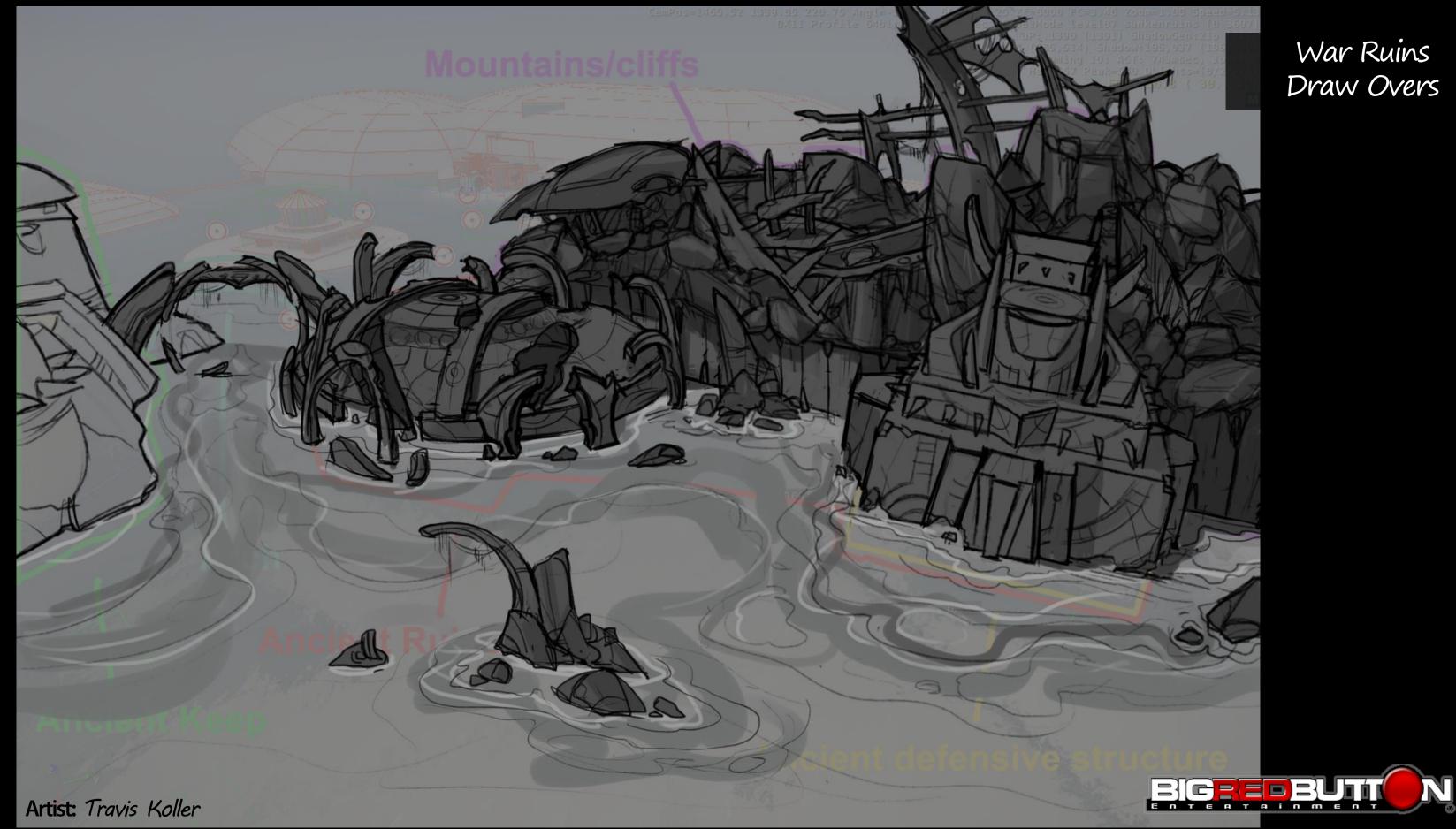












Under water Orb housing towers, lifted out of the water with player success.

Artist: Travis Koller

### War Ruins Draw Overs

таіпт





## Cliff Studies





Artist: Yuhki Demers

## Cliff Paint-Overs

Exploring geological shapes in Warthog and how they would differ from adjoining Mystery Island

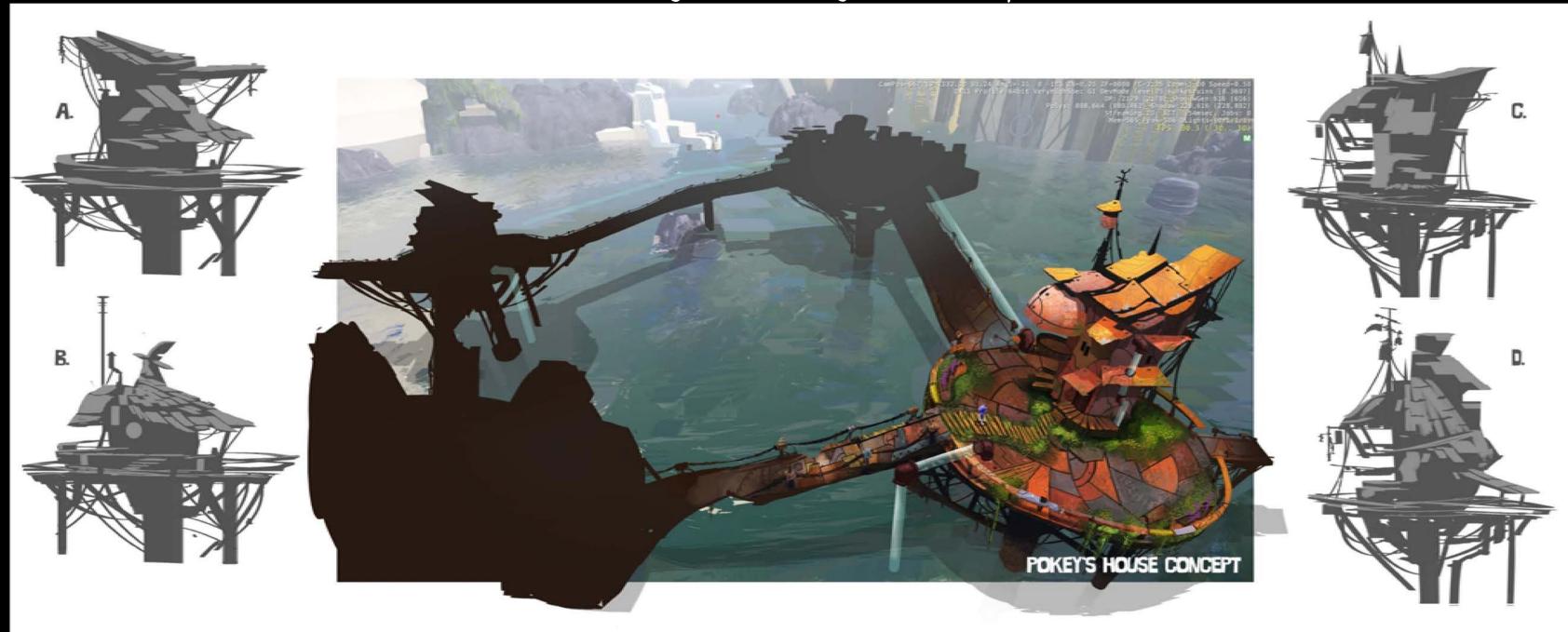


## **ENVIRONMENT EXPLORATIONS** Warthog Ruins – Hokey And Pokey Dwelling





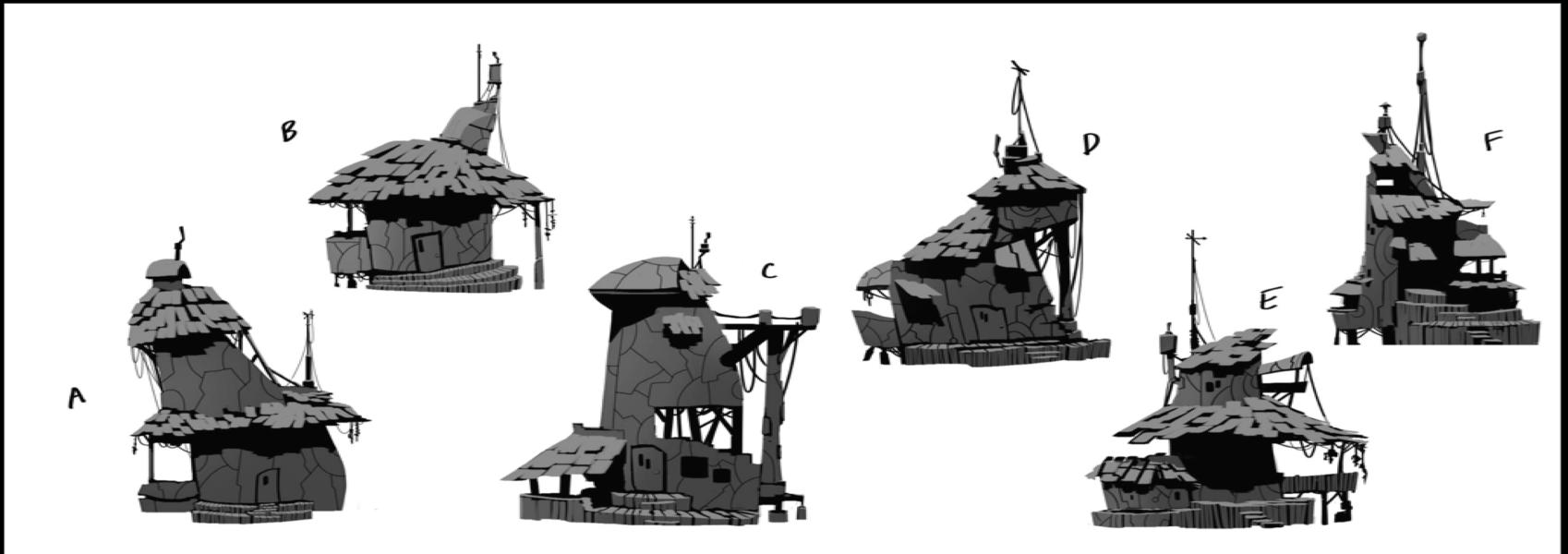
### Warthog Ruins – Pokey's House Concept



Artist: Yuhki Demers



## Warthog Ruins – Hokey's House Ideation



Artist: Yuhki Demers



#### Artist: Yuhki Demers



## Hokey's House

# ENVRONMENT EXPLORATIONS Warthog Ruins – Blimp Zone Challenge







Artist: Yuhki Demers

#### Warthog Ruins – Blimp Zone Concept

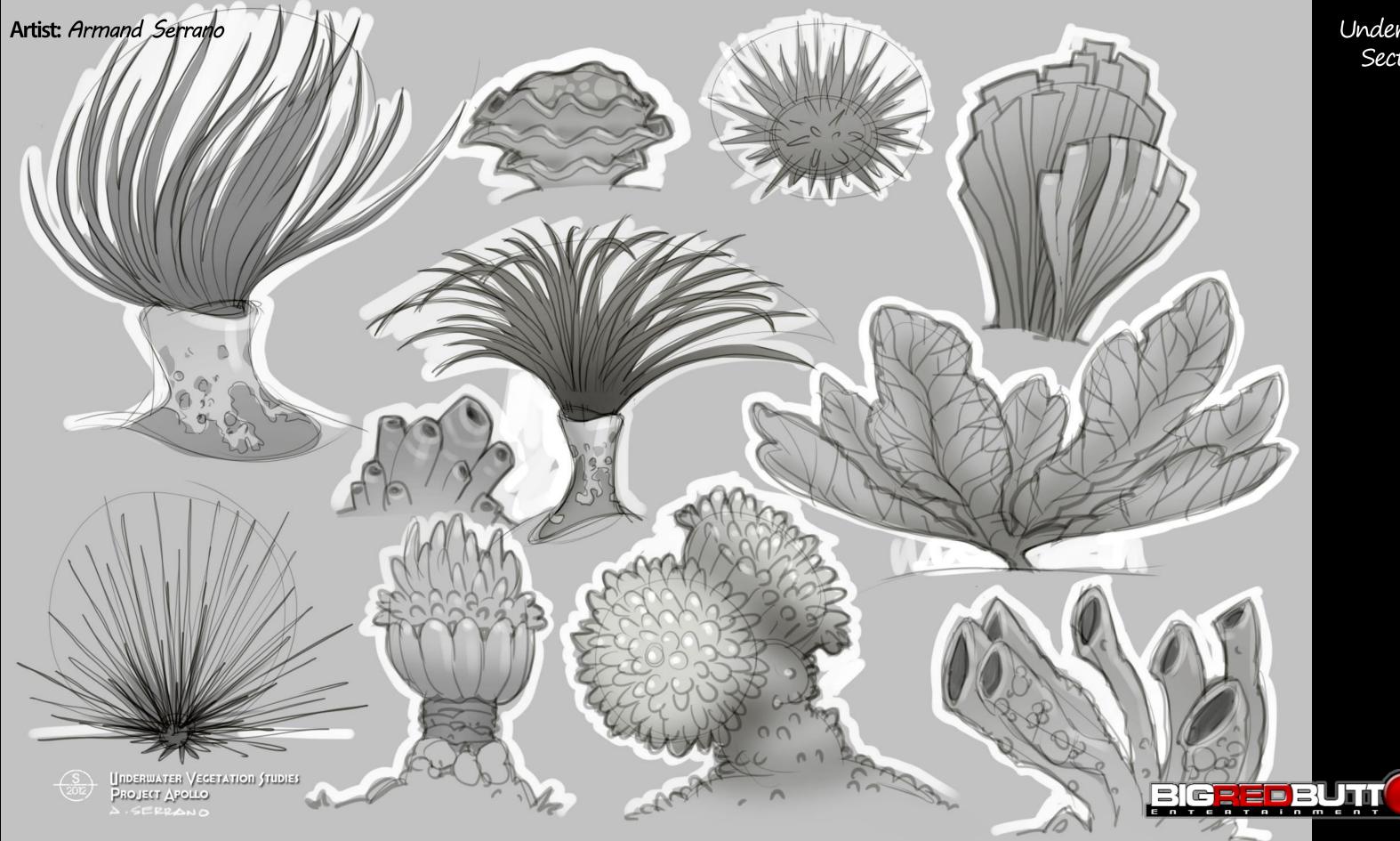
## WARTHHOG RUINS: BLIMP ZONE CHALLENGE 02



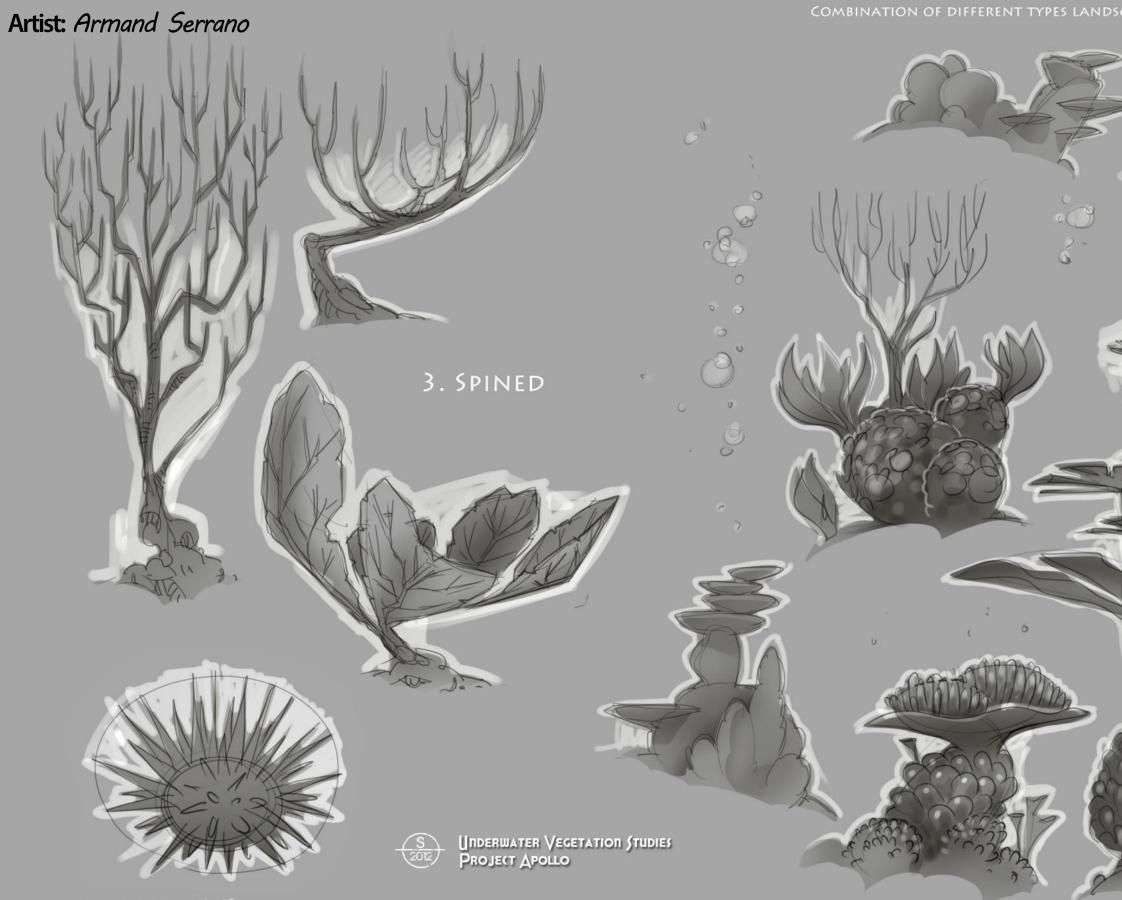
## ENVRONMENT EXPLORATIONS

Warthog Ruins – Underwater









A. SERRANO 2012

#### IN GEOMETRIC VOLUMES



Artist: Armand Serrano & Travis Koller

SUNKEN RUINS / UNDERWATER STUDY PROJECT APOLLO

500

22

S 2012





## LARGE CORAL STRUCTURE

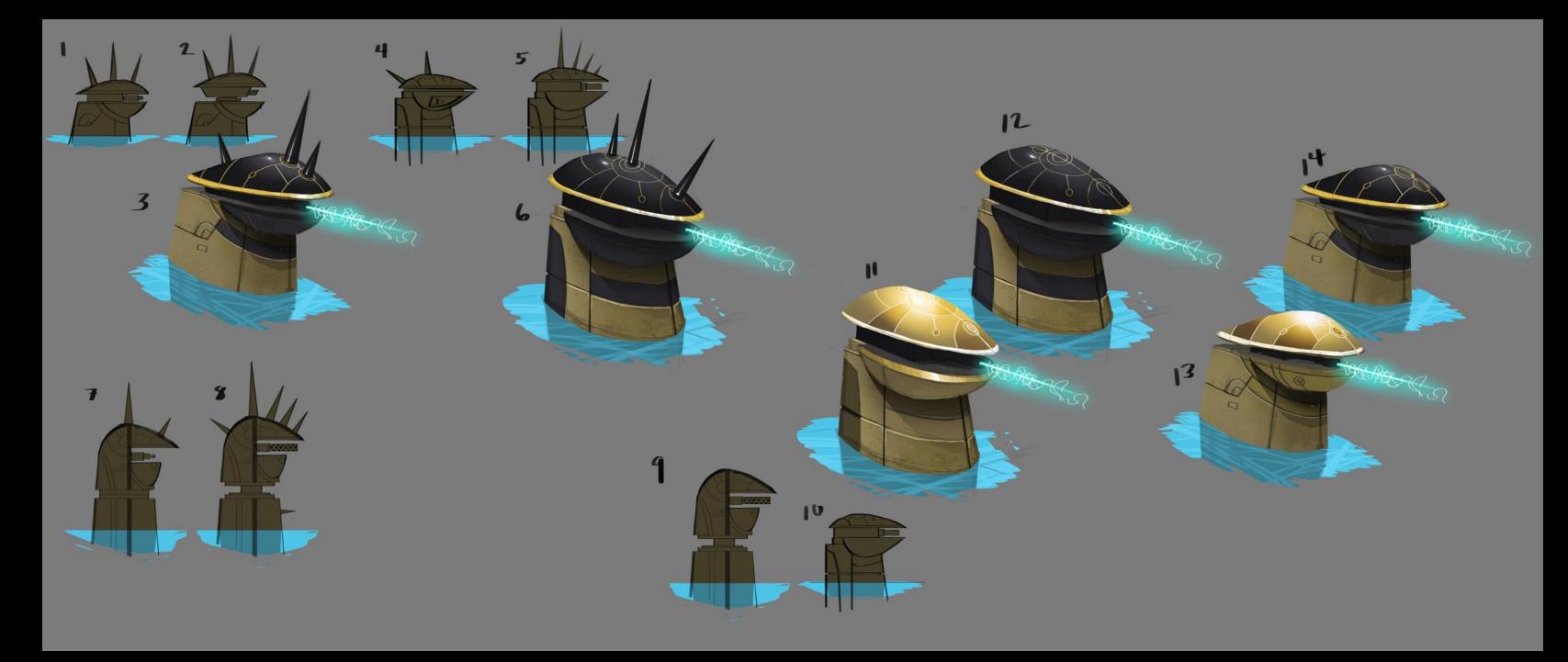


# ENVRONMENT EXPLORATIONS

Warthog Ruins – Laser Challenge



## Laser Challenge – Laser Turret Ideation



Artist: Yuhki Demers

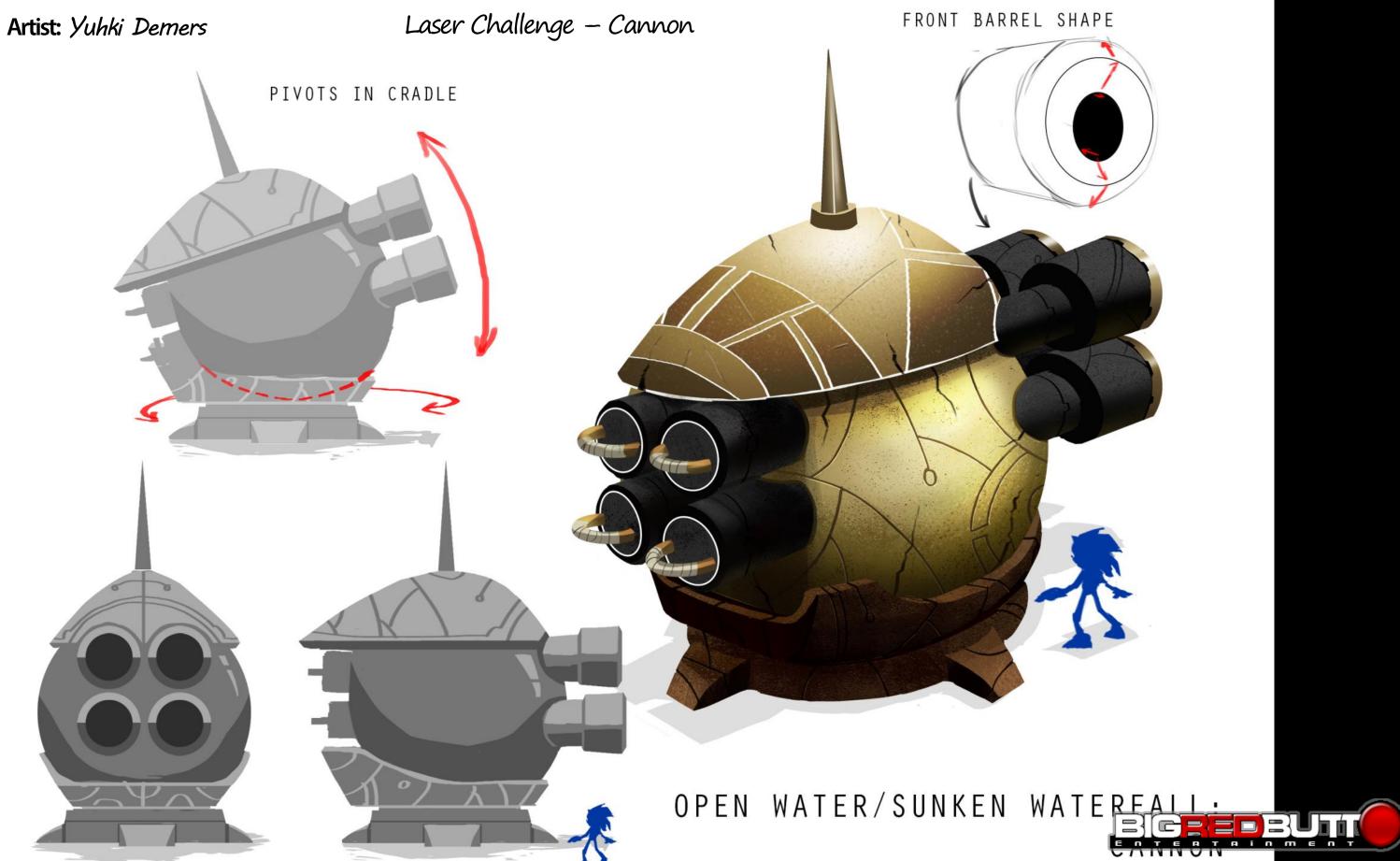


### Laser Challenge – Laser Miiror/Tunnel



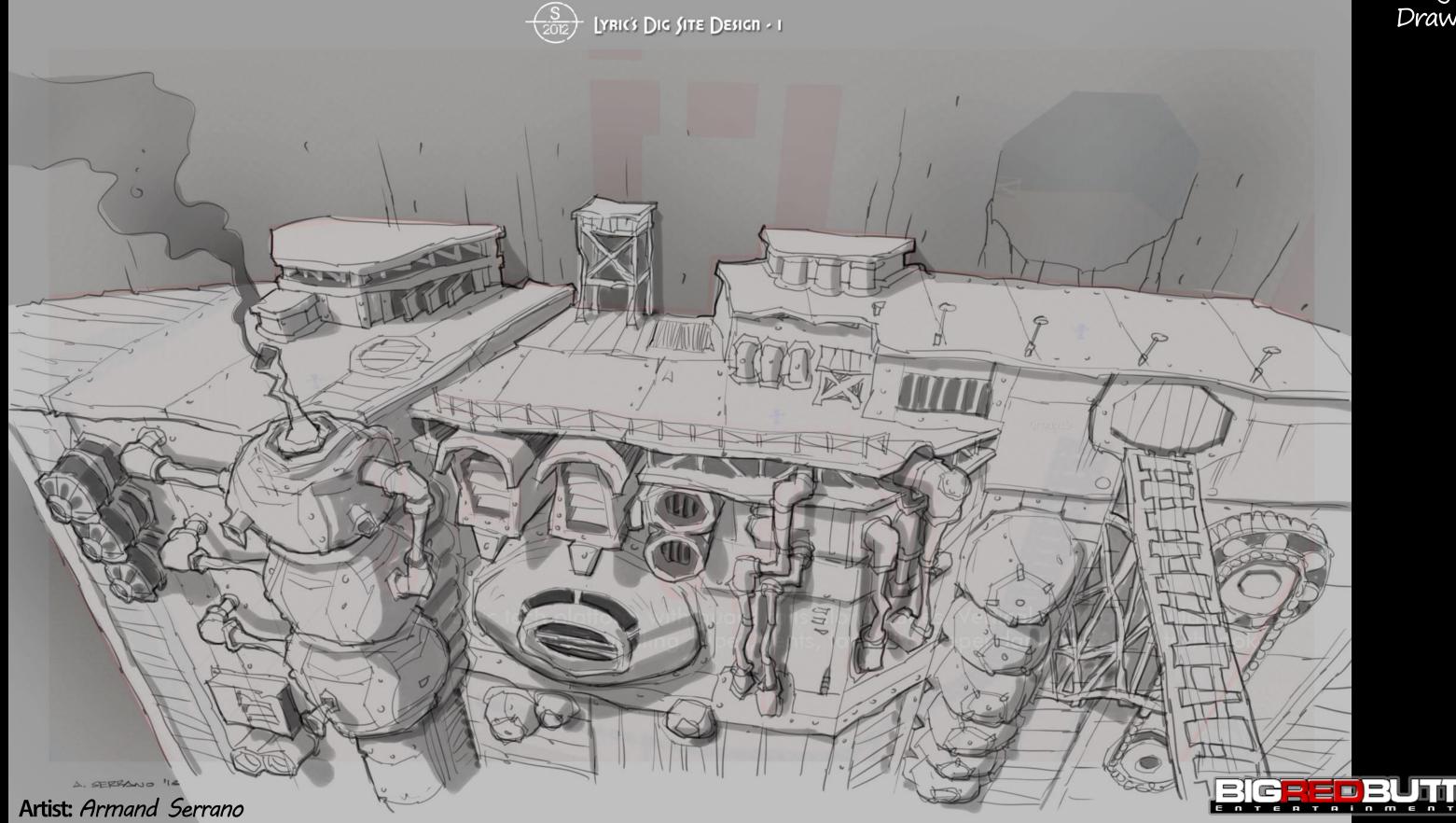
Artist: Yuhki Demers



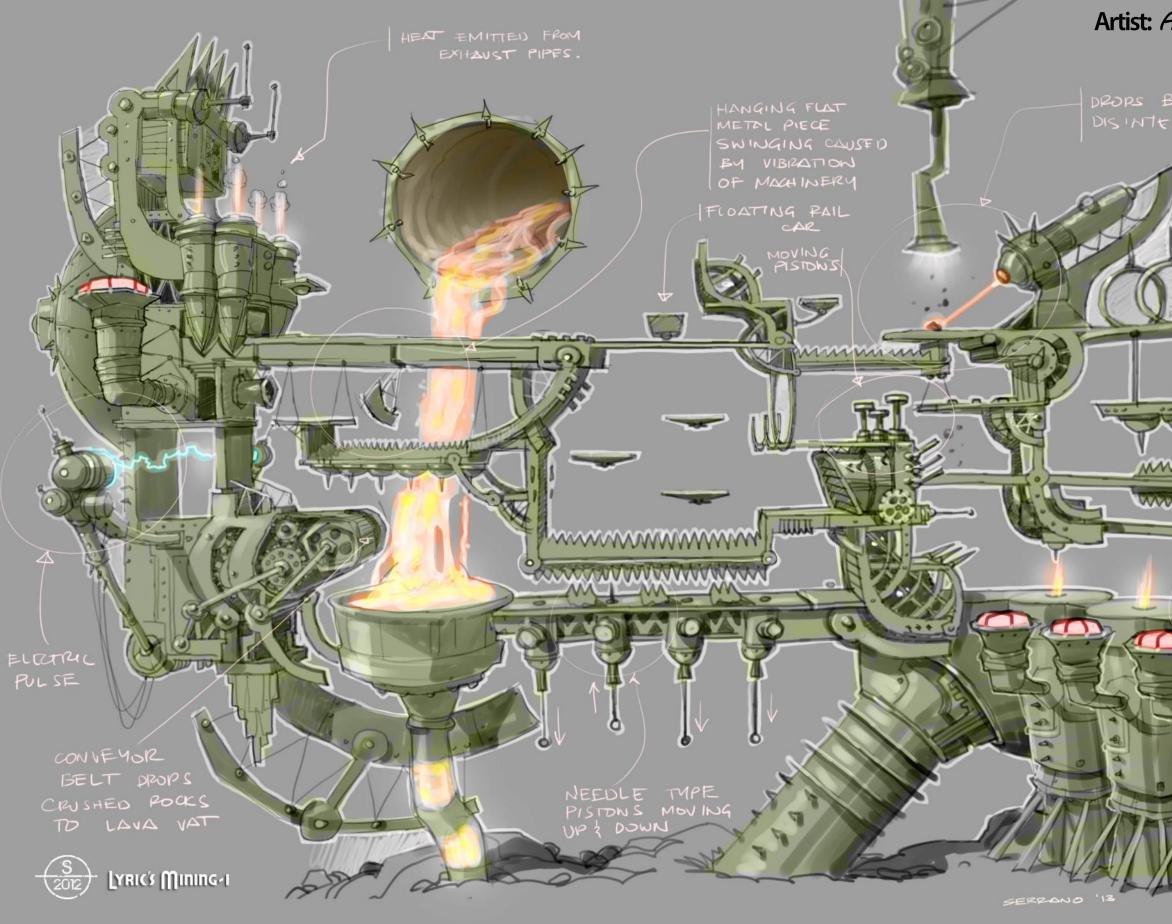


# **ENVIRONMENT EXPLORATIONS** Lyric's Dig Site



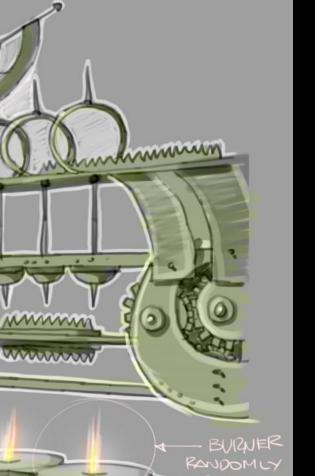


### Dig Site Draw overs



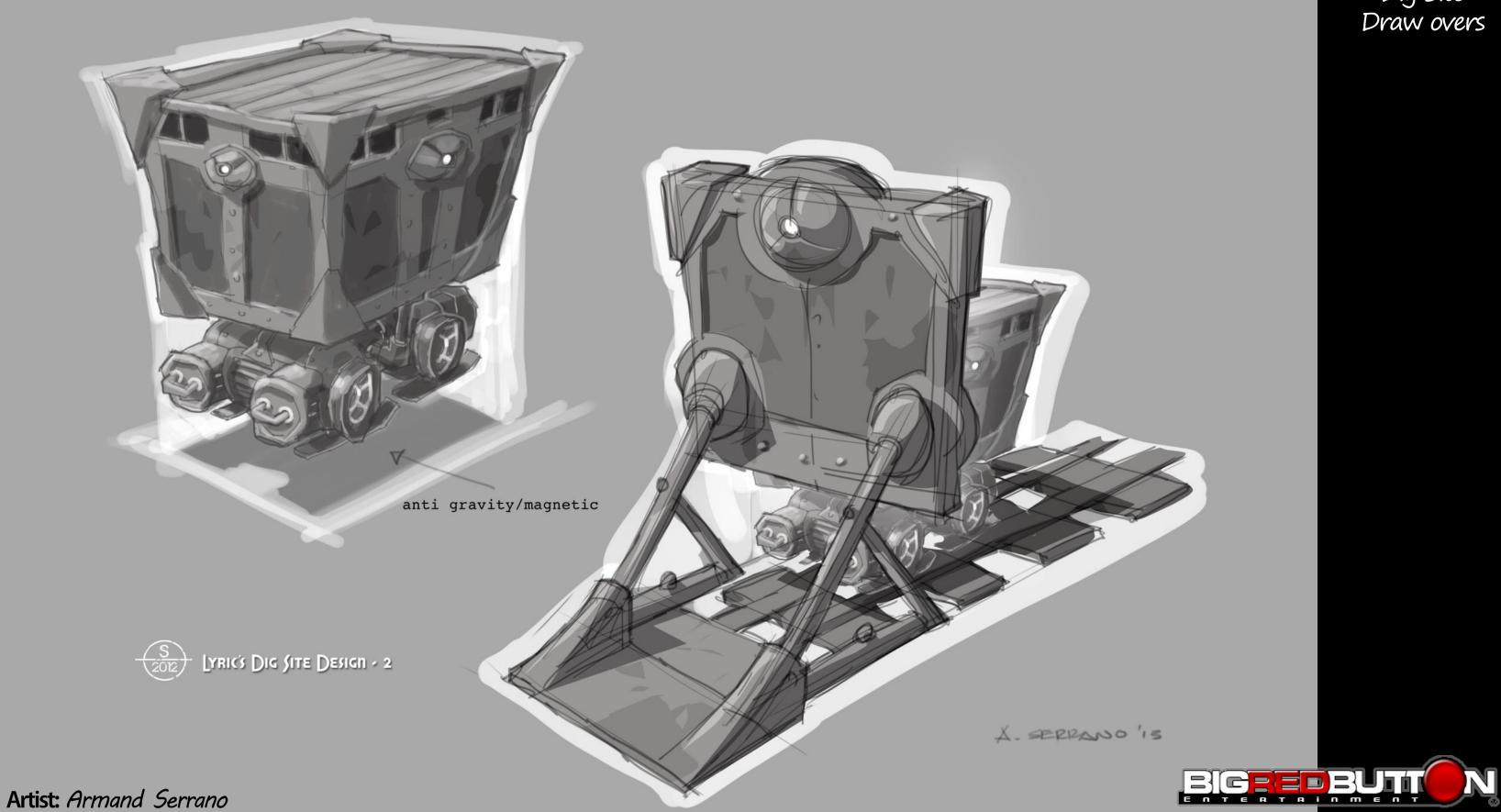
#### Artist: Armand Serrano

DROPS BOULDERS THEN DISINTEGRATED BY LASER BEAM



toF 9

#### Dig Site Draw overs







### Dig Site Draw overs



#### oxydized metal

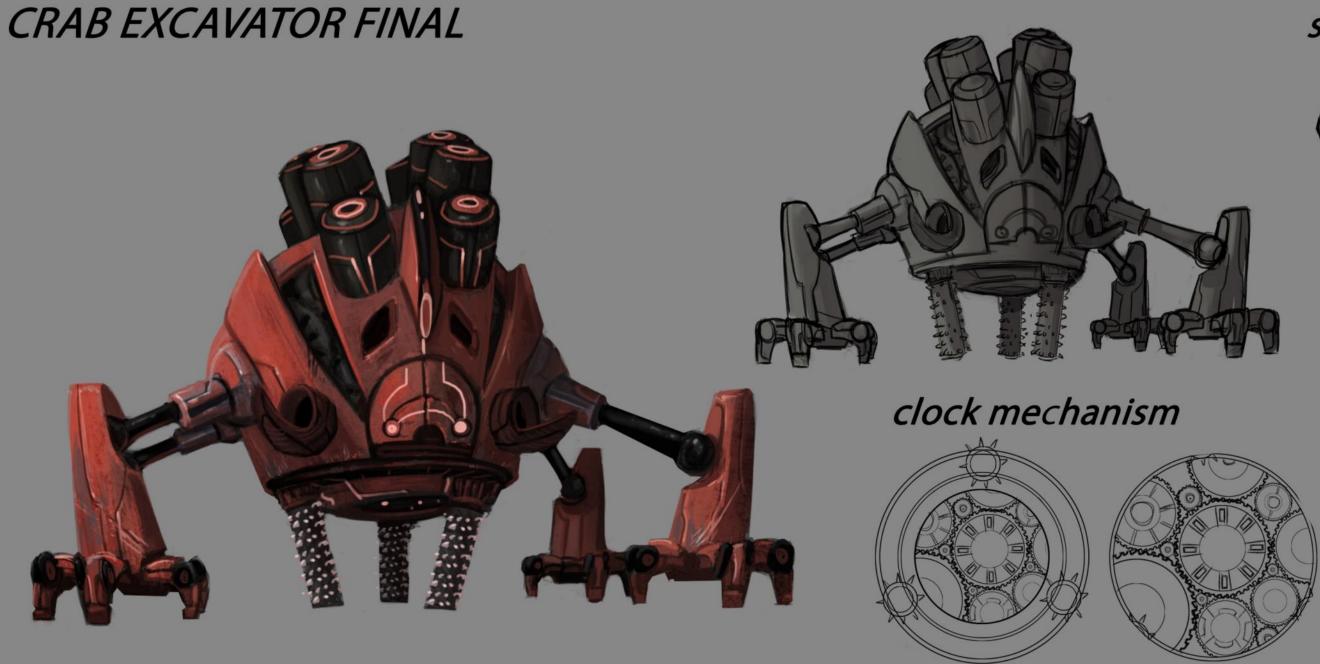
#### old wood

S LYRIC'S DIG SITE DESIGN





## Dig Site Draw overs



Artist: Travis Koller

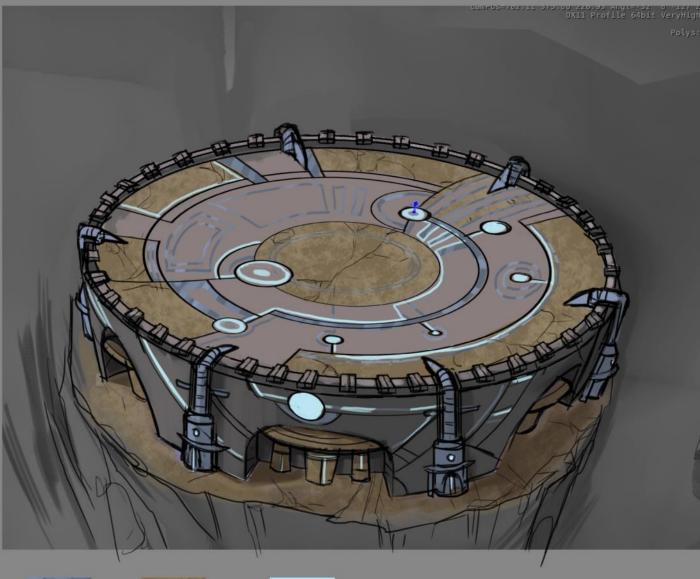


## drill can swivel as well as roatate





## LYRIC DIG SITE ARENA SKETCH

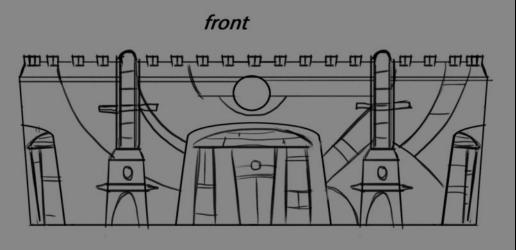




metal

stone

emergy



top floor TUTT THE REAL PROPERTY IN CONTRACT OF THE PROPERTY IN CONTRACT. Ħ 

Artist: Travis Koller

## Dig Site Draw overs



## TRACK BALL SKETCHES

Options for energy using the first as an example. The energy could just apear as the sphere starts to speed up. You could also have energy grooves or "spots" that when spinning on the circle make what appears to be a line of energy. These bioth can appear off or dim and then start to glow as the sphere speeds up.

scale

scale

Artist: Travis Koller



## LRYIC TRACK BALL EXPLORATION





Artist: Yuhki Demers

### Track Ball



## LYRIC'S DIGSITE

CHUNKY PIPES

LAVA

Artist: Yuhki Demers

#### Dig Site Draw Overs

## LAVA SPIKES

### DIRT CONVEYOR

## LAVA ENERGY





Artist: Yuhki Demers

## LYRIC'S DIG SITE: SAW



### Lryic's Digsite – Section 2 Speed Track Structure



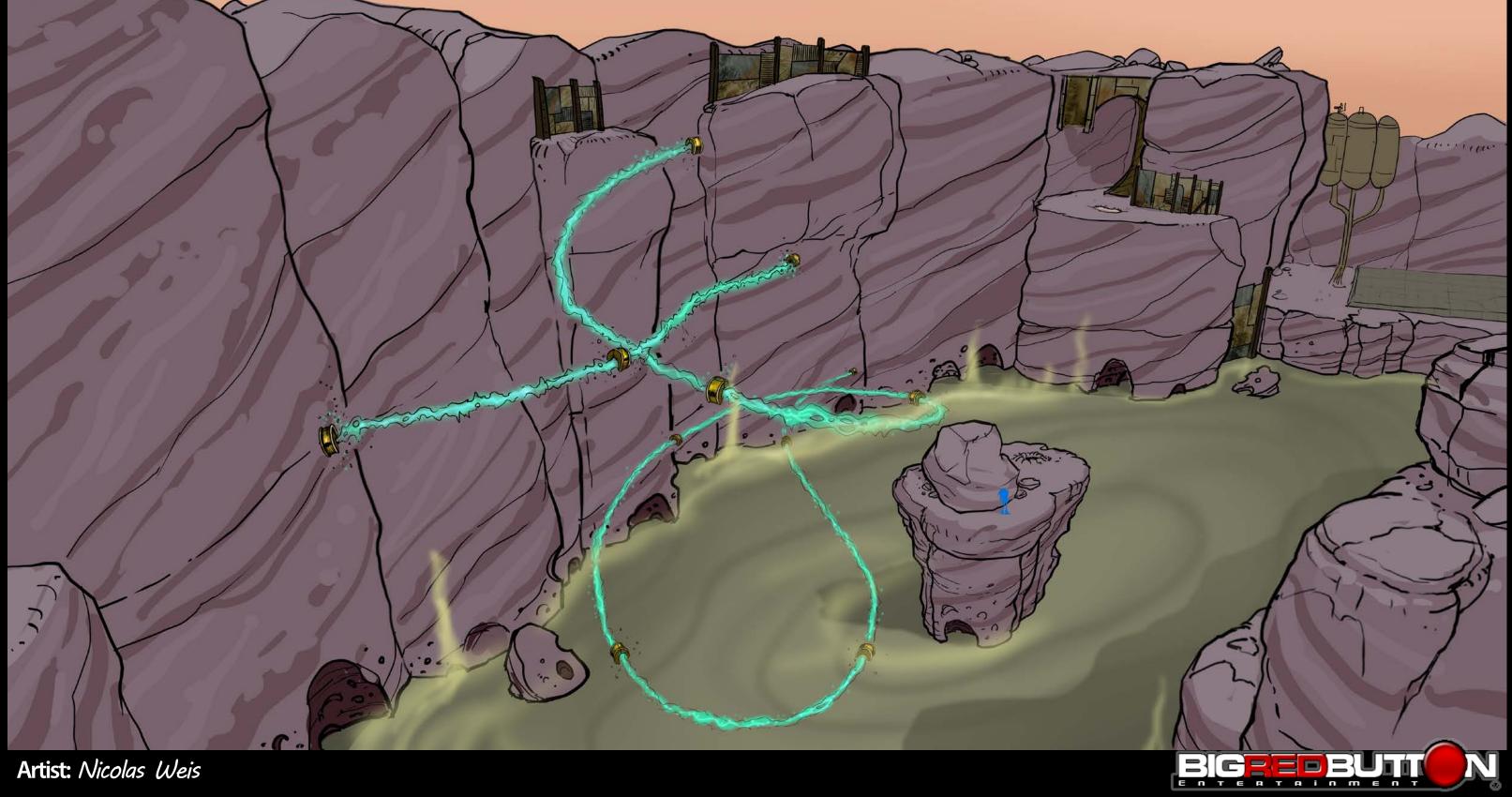
#### Dig Site Draw overs

## Lryic's Digsite – Section 2: Canyon Left Side



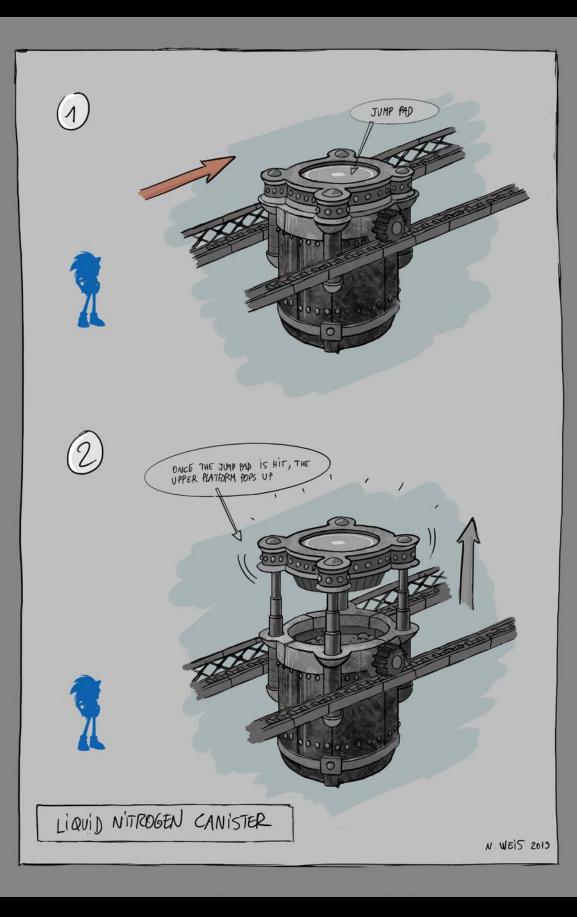
Artist: Nicolas Weis

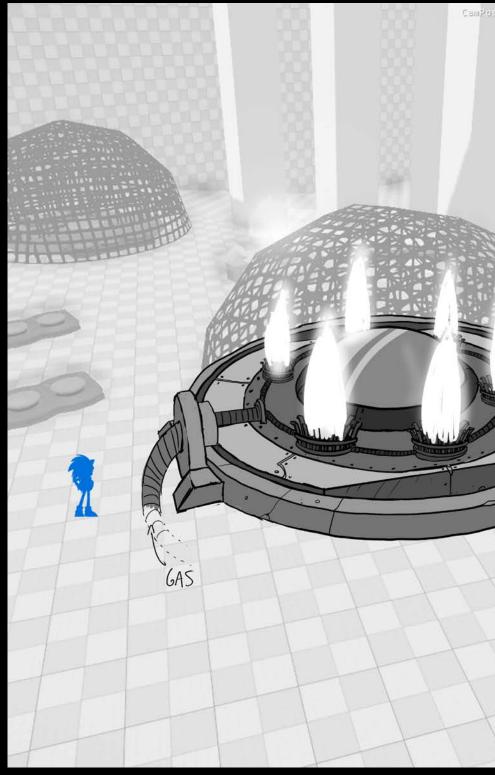
## Lryic's Digsite – Section 2: Canyon Zip Lines/Left Side











Lryic's Digsite – Section 2/5 Prop Callouts

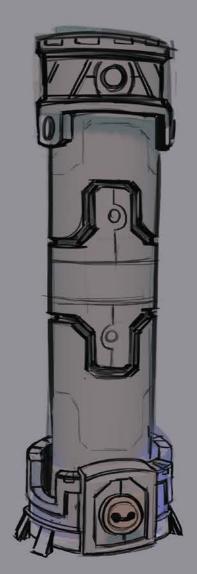
Artist: Nicolas Weis

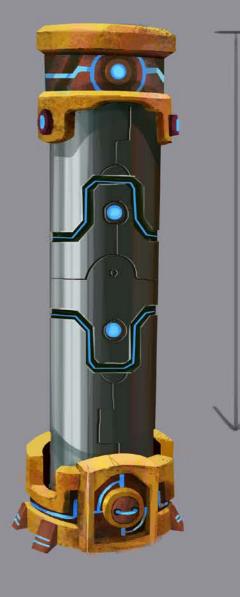
Streaming 10: ACT: 18m Name460 Peake486 Diigh FP5 30.3 [30..30], frame avg o

### "CAGE METALLIC STRUCTURE GOES UNDERGROUND IN THE CONCRETE SEAM



## PISTON POUNDER







PHASE

PHASE 2

Artist: Travis Ruiz

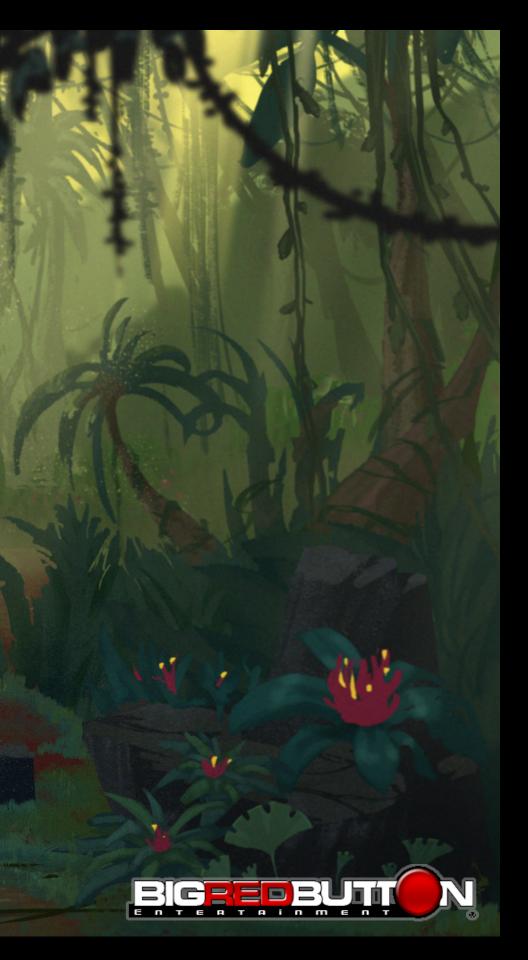






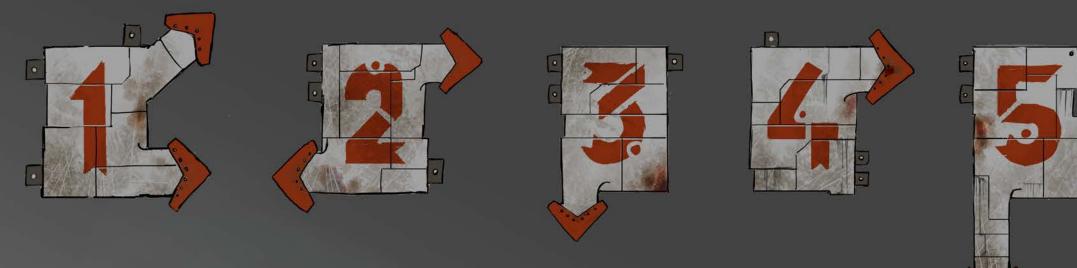
PHASE 3

#### Lryic's Digsite – Section 1 Jungle Exploration





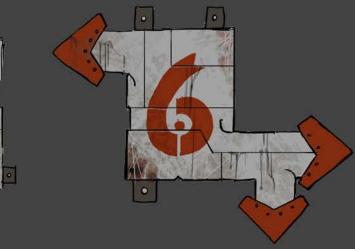
#### Lryic's Digsite – Sign concepts







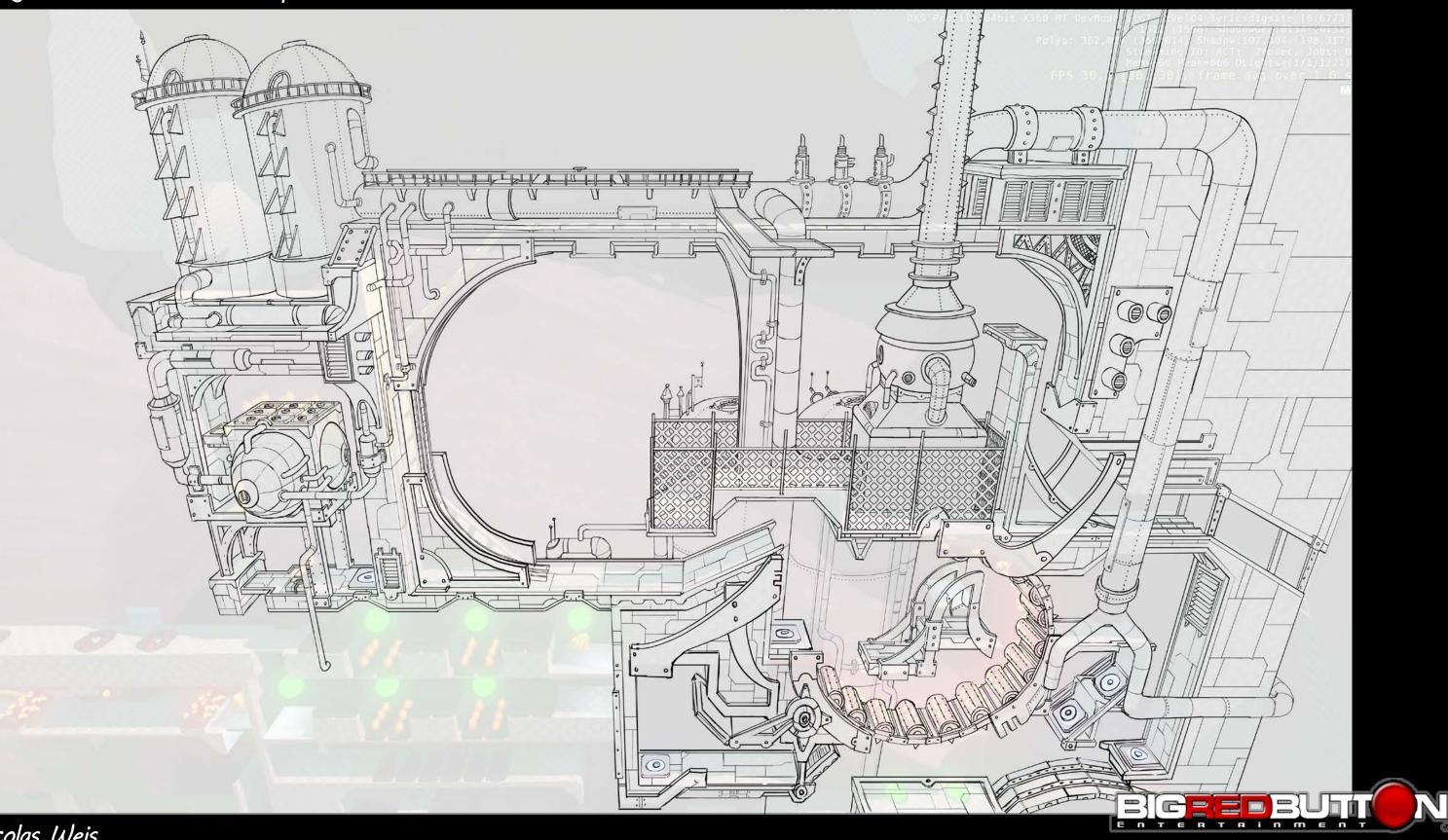
Artist: Nicolas Weis



### LYRIC DIG SIGNAGE PANELS



#### Lryic's Digsite – Section 7 Concept



#### Lryic's Digsite – Section 7 Concept

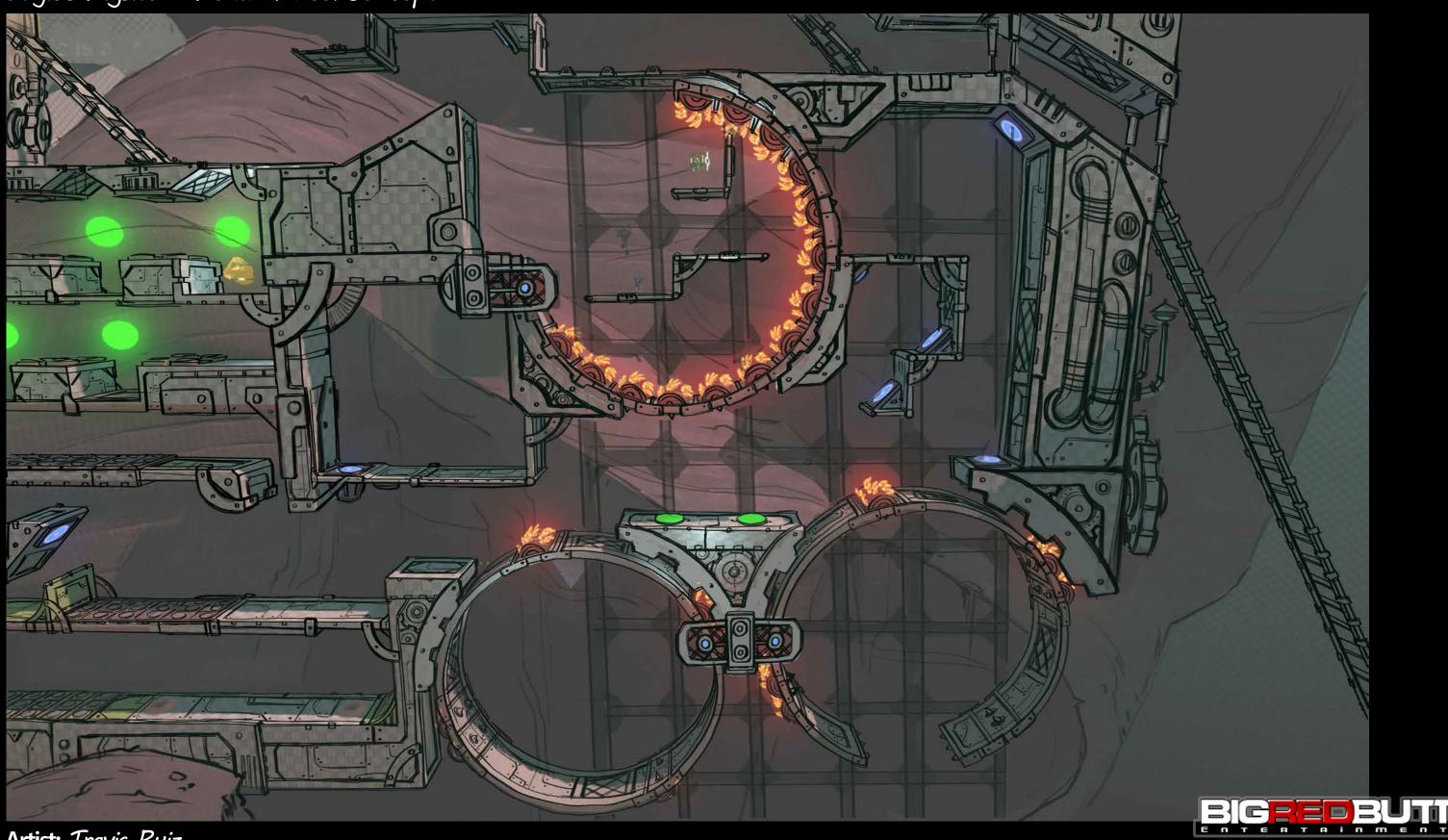




#### Lryic's Digsite – Tunnel Door Concept



#### Lryic's Digsite – Death Wheel Concept

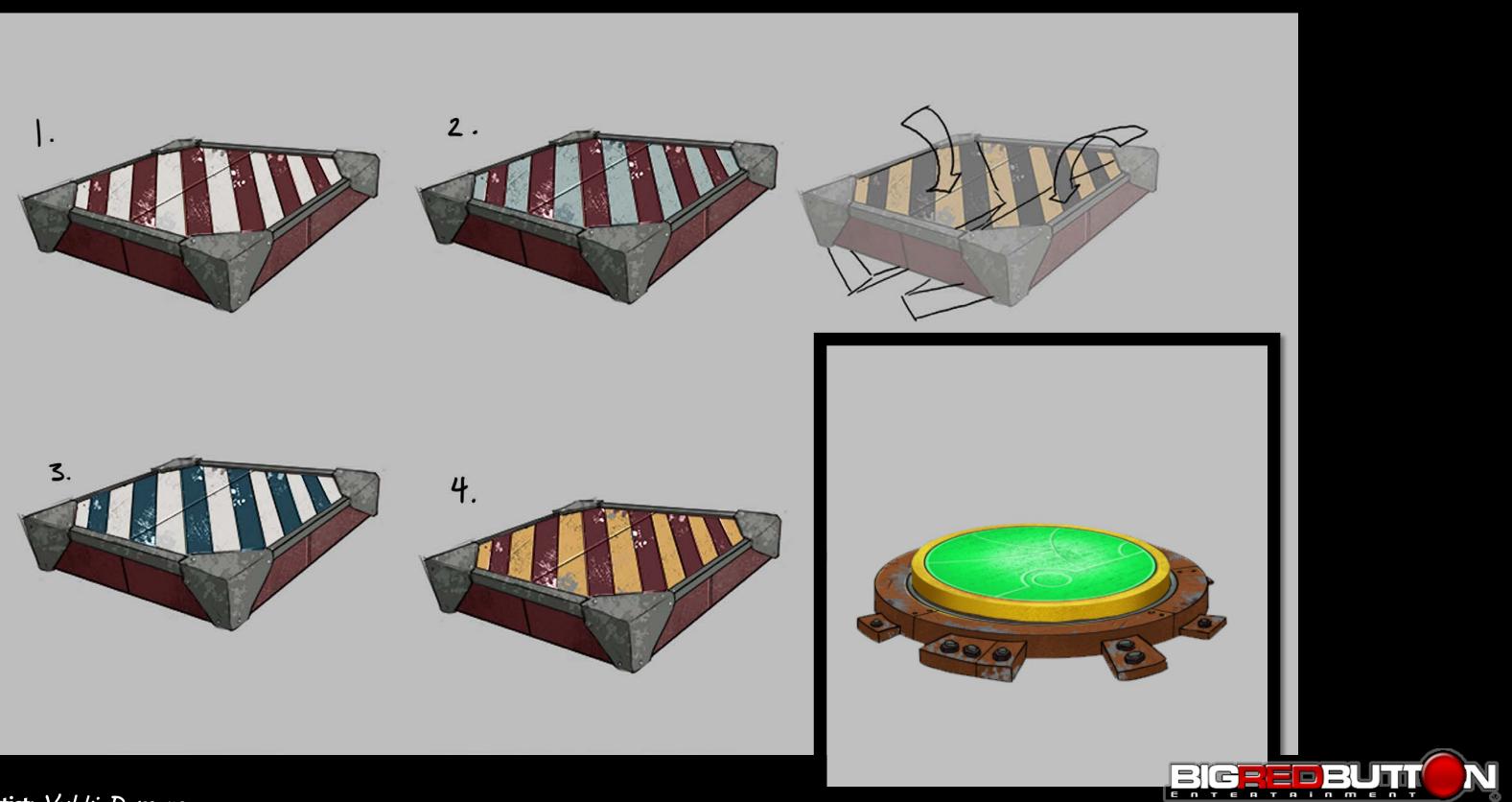


Artist: Travis Ruiz



Lryic's Digsite – Arena 3 Concept

### Lryic's Digsite – Butt Stomp Panel and Button



## ROAD TO DIGSITE/BOAT LEVEL

### Environment Explorations

Road to Digsite – Waterline Jungle Exploration







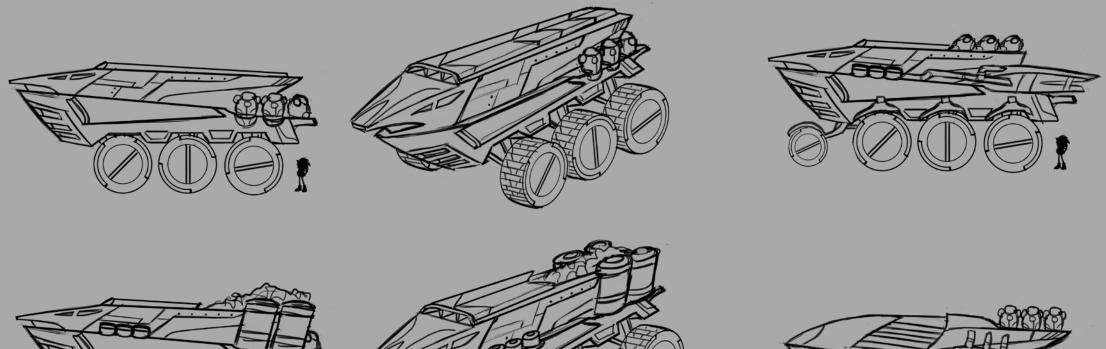
Artist: Travis Koller

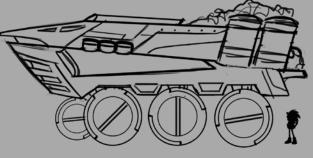


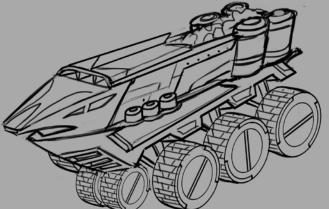


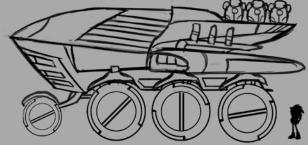
#### Road to Digsite – Lyric Transport Ideation

TRANSPORT IDEAS

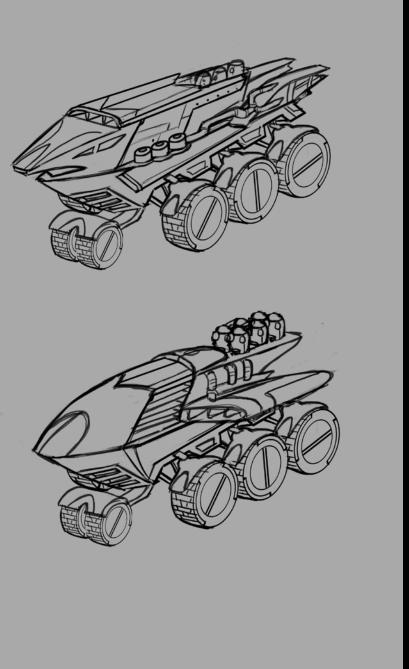








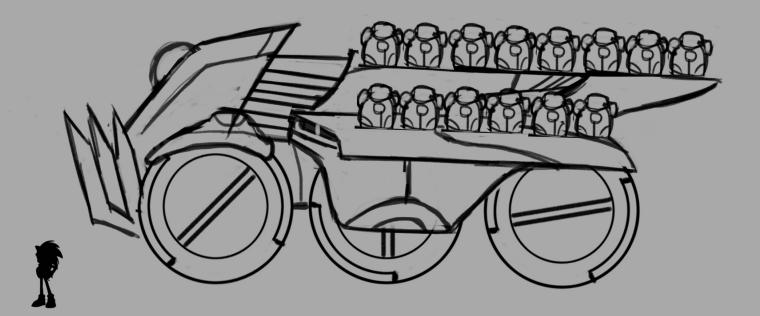
Artist: Travis Koller

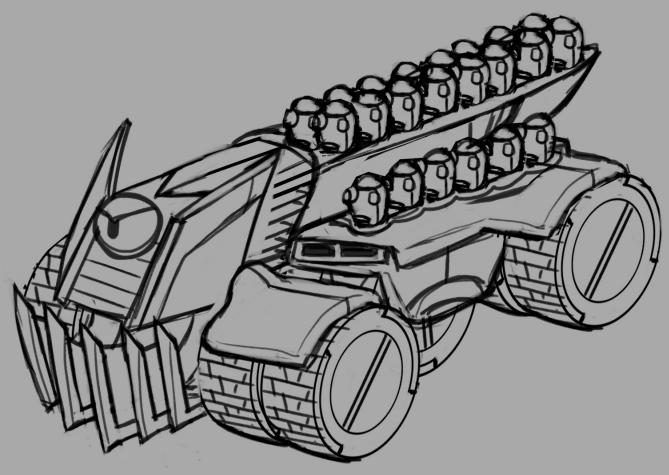




Road to Digsite – Lyric Transport Concept







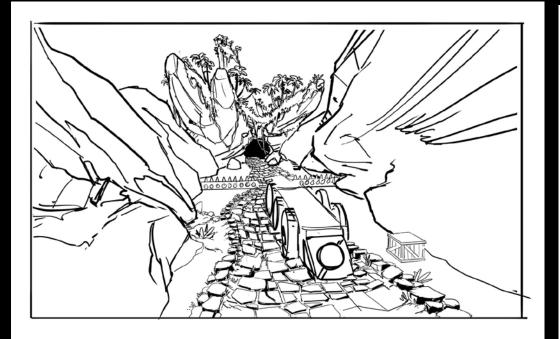
Artist: Travis Koller

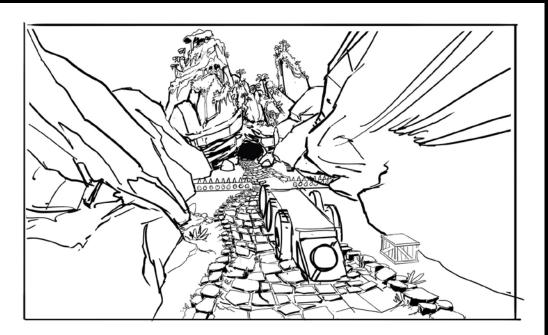


#### Road to Digsite – Road Entrance Concept



#### Road to Digsite – Road Explorations









# ENVRONMENT EXPLORATIONS

Ocean Waterfall





### Ocean Waterfall – Control Room

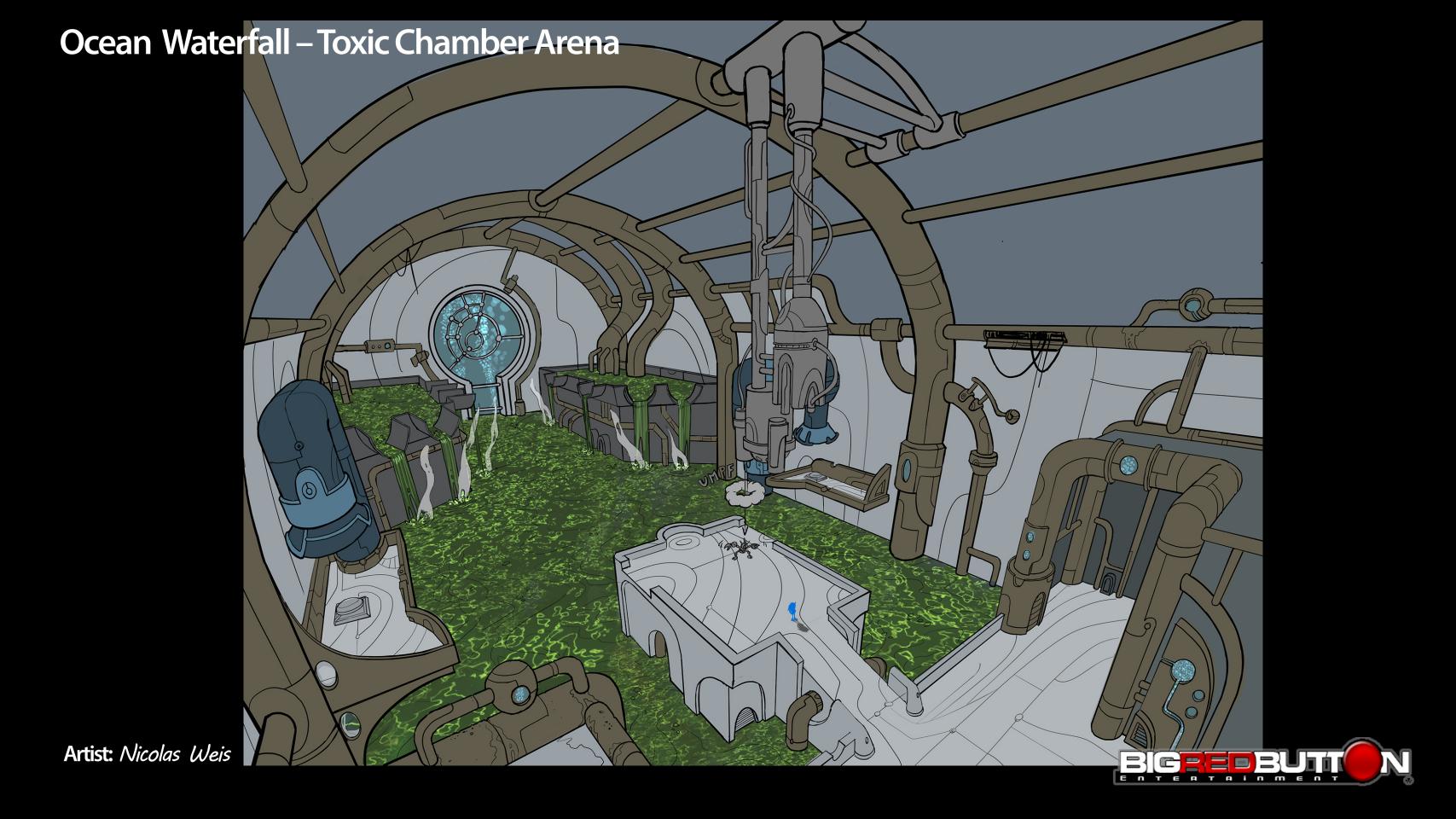
TIT



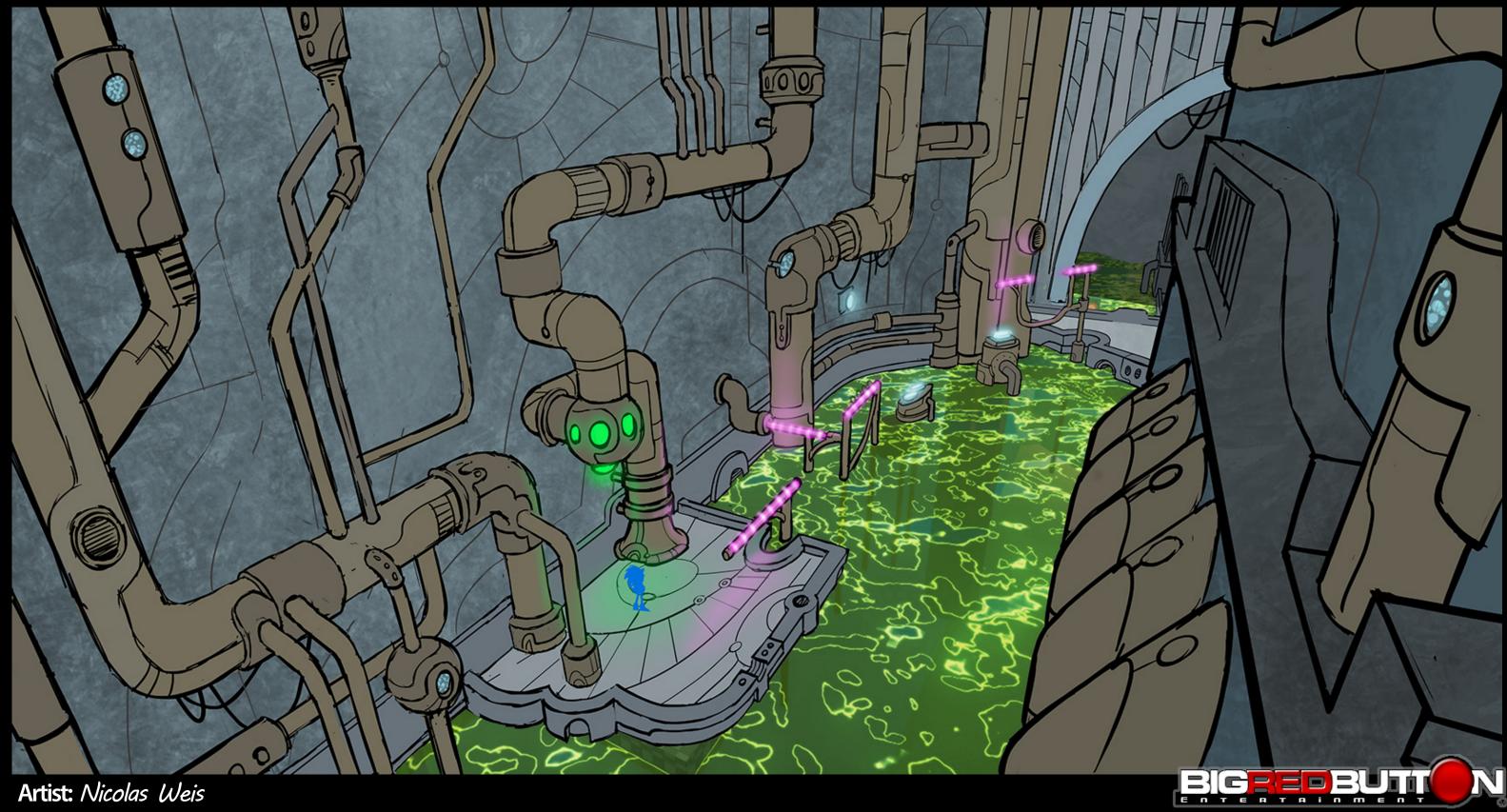


### Ocean Waterfall – Sludge Room





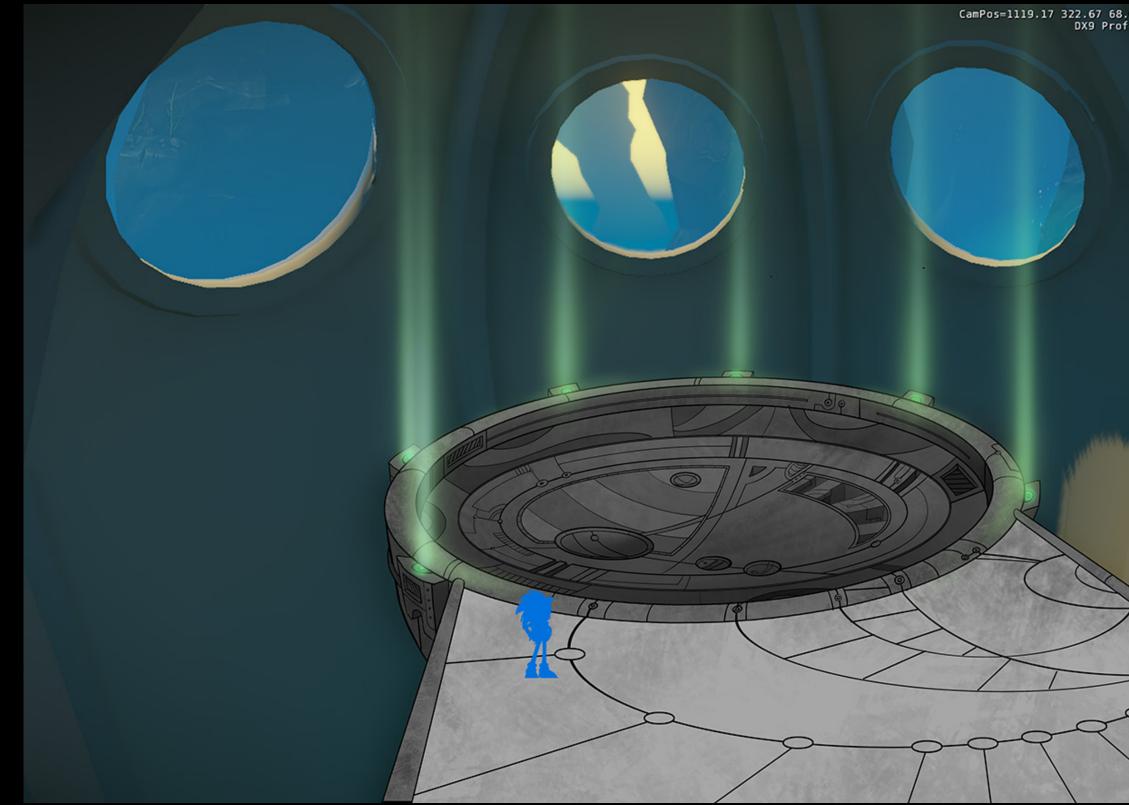
### Ocean Waterfall – Toxic Chamber Area 2



### Ocean Waterfall – Combat 4



### Ocean Waterfall – Elevator Up



Artist: Nicolas Weis

CamPos=1119.17 322.67 68.01 Angl=-16 0 162 ZN=0.25 ZF=8000 FC=0.00 Zoom=1.00 Speed=0.80 DX9 Profile 64bit MedSpec MT GI DevMode level06 oceanwaterfall [6.6773] DP: 0310 (0310) ShadowGen:0126 (0126) Polys: 217,354 (217,390) Shadow:591,739 (592,161) Streaming IO: ACT: 12msec, Jobs: 0 Mem=840 Peak=851 DLights=(2/2/2/0) FPS 30.3 [30,.30], frame avg over 1.0 s



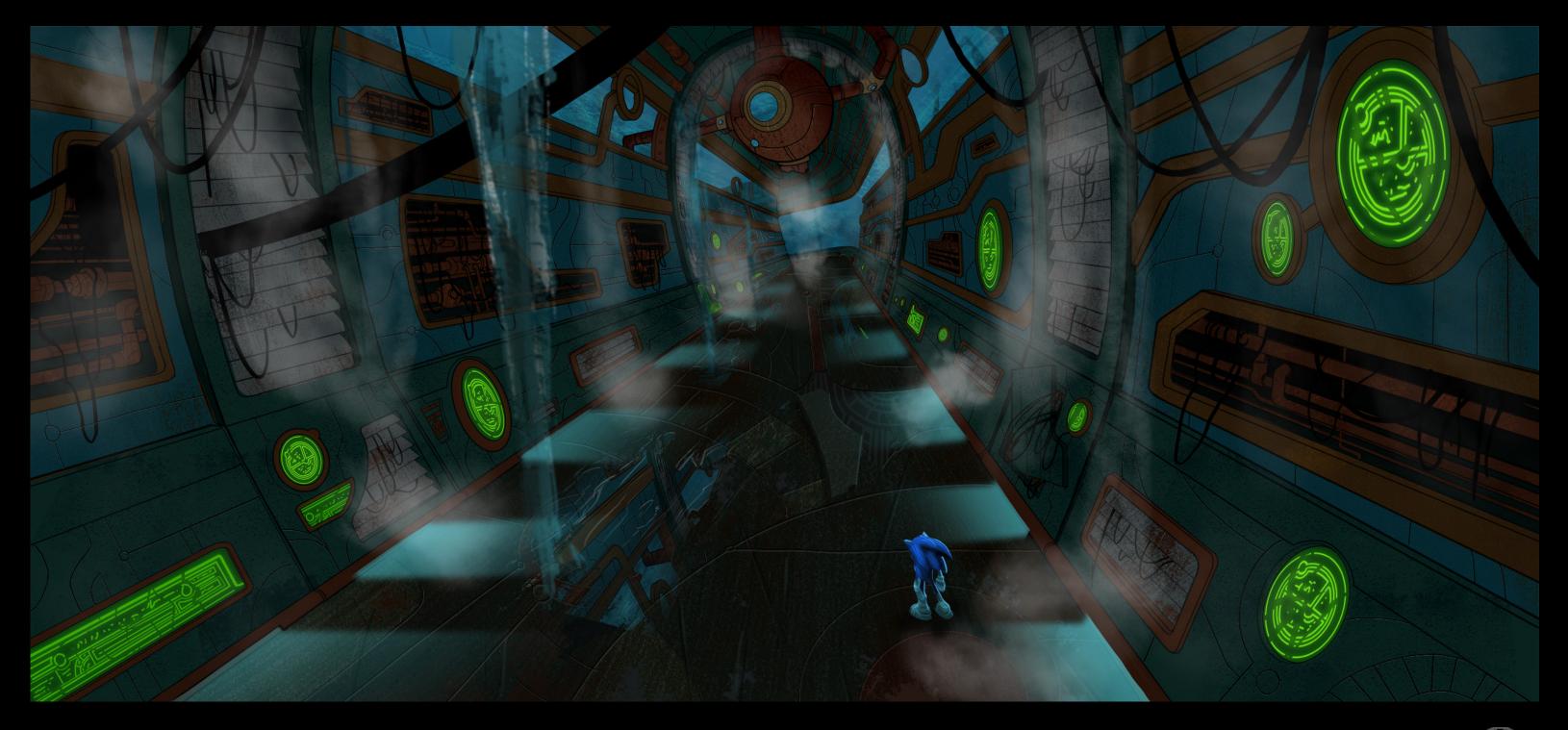
### Ocean Waterfall – Sewer Tunnel



### Ocean Waterfall – Sub Crystal Room



### Ocean Waterfall – Chase Tunnel



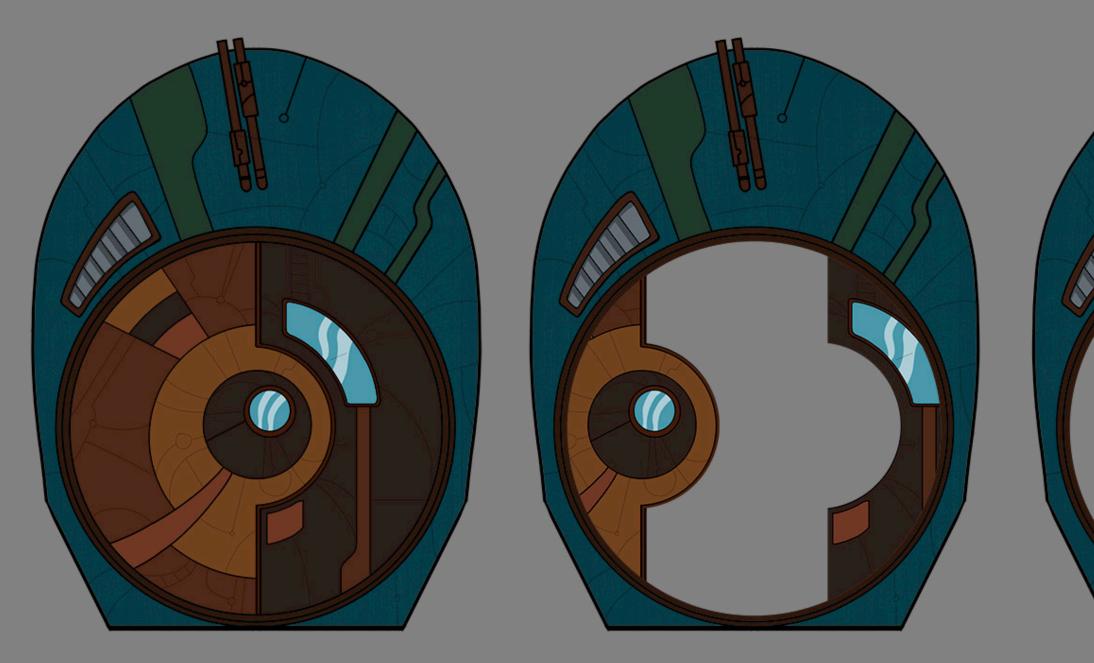


### Ocean Waterfall – Chase Tunnel Hazards

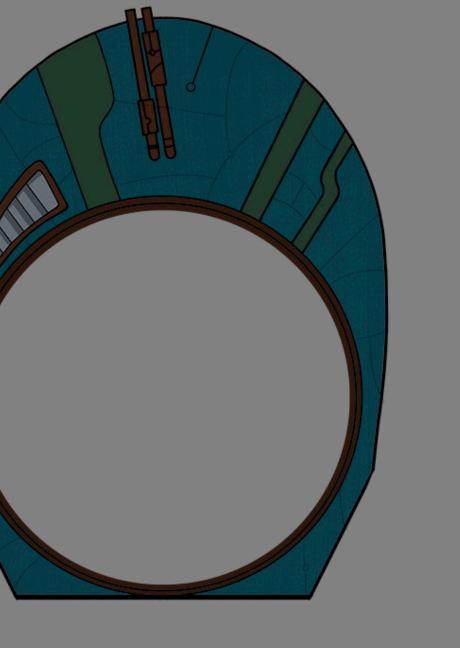




### Ocean Waterfall – Flimsy Door

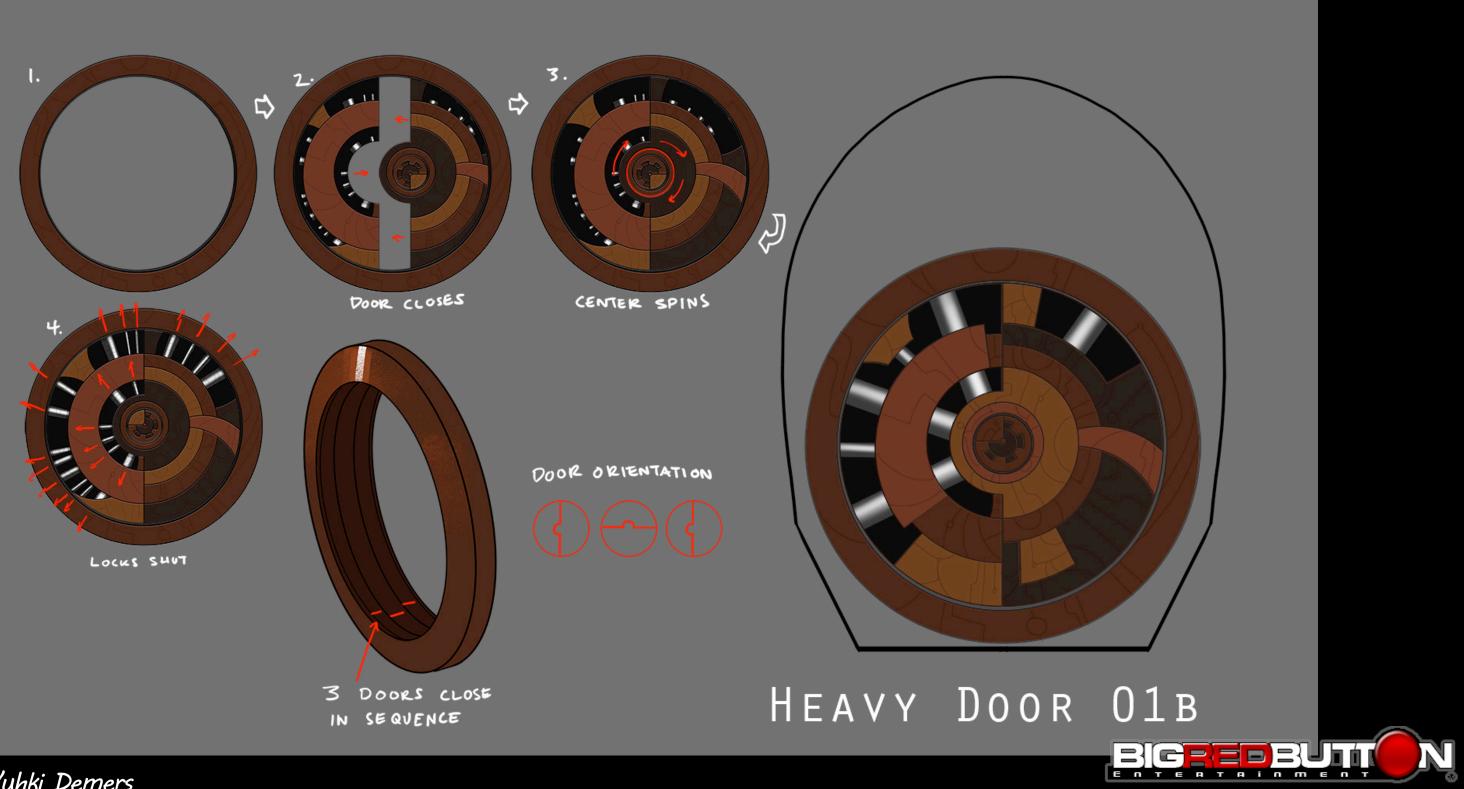


### FLIMSY DOOR 01

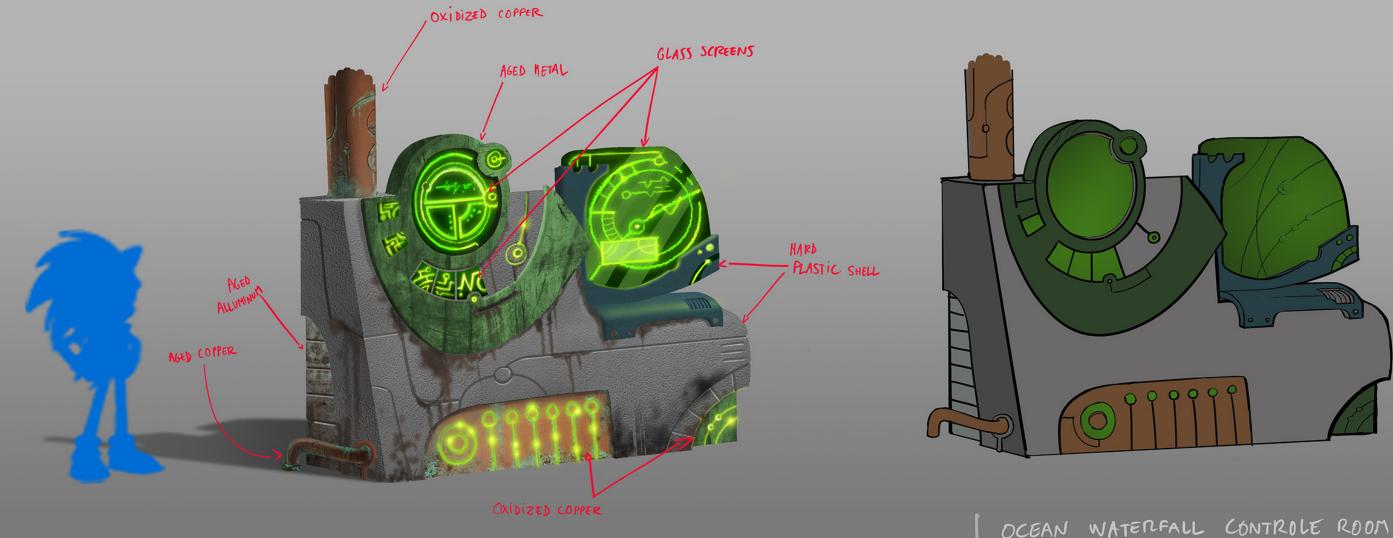




### Ocean Waterfall – Flimsy Door



#### Ocean Waterfall – Console Concept



Artist: Nicolas Weis

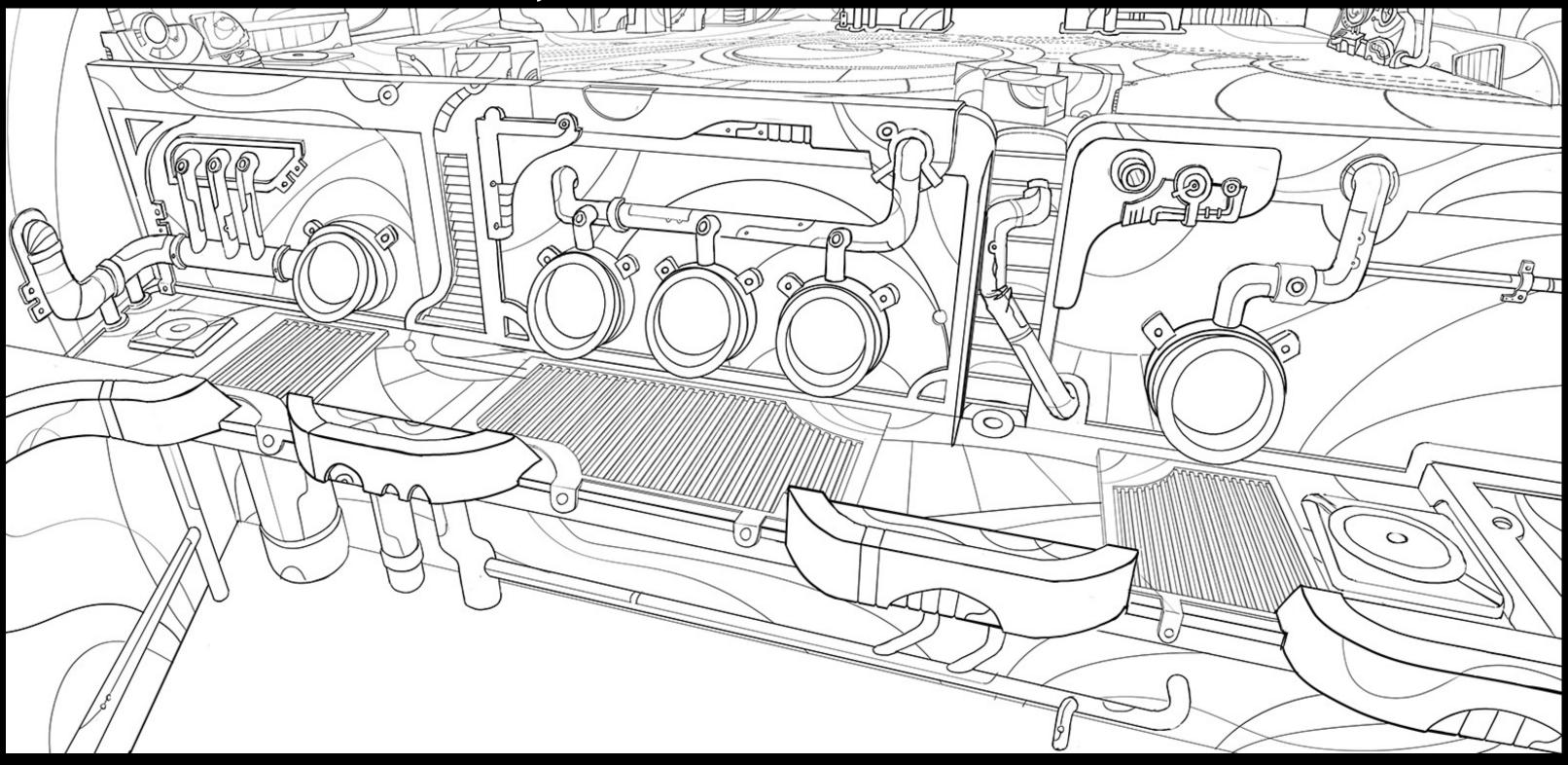
#### OCEAN WATERFALL CONTROLE ROOM CONSOLES



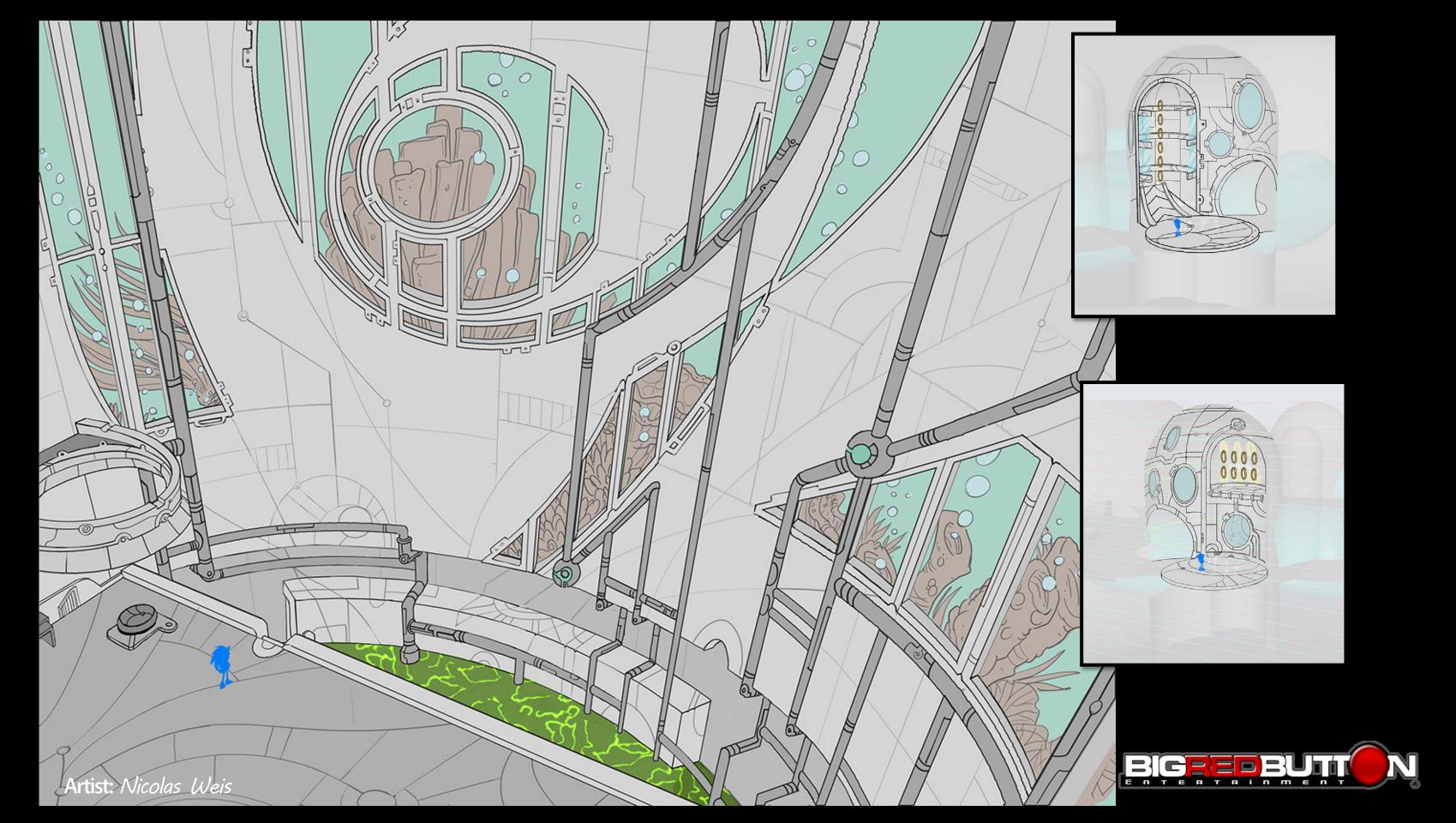
### Ocean Waterfall – Tower

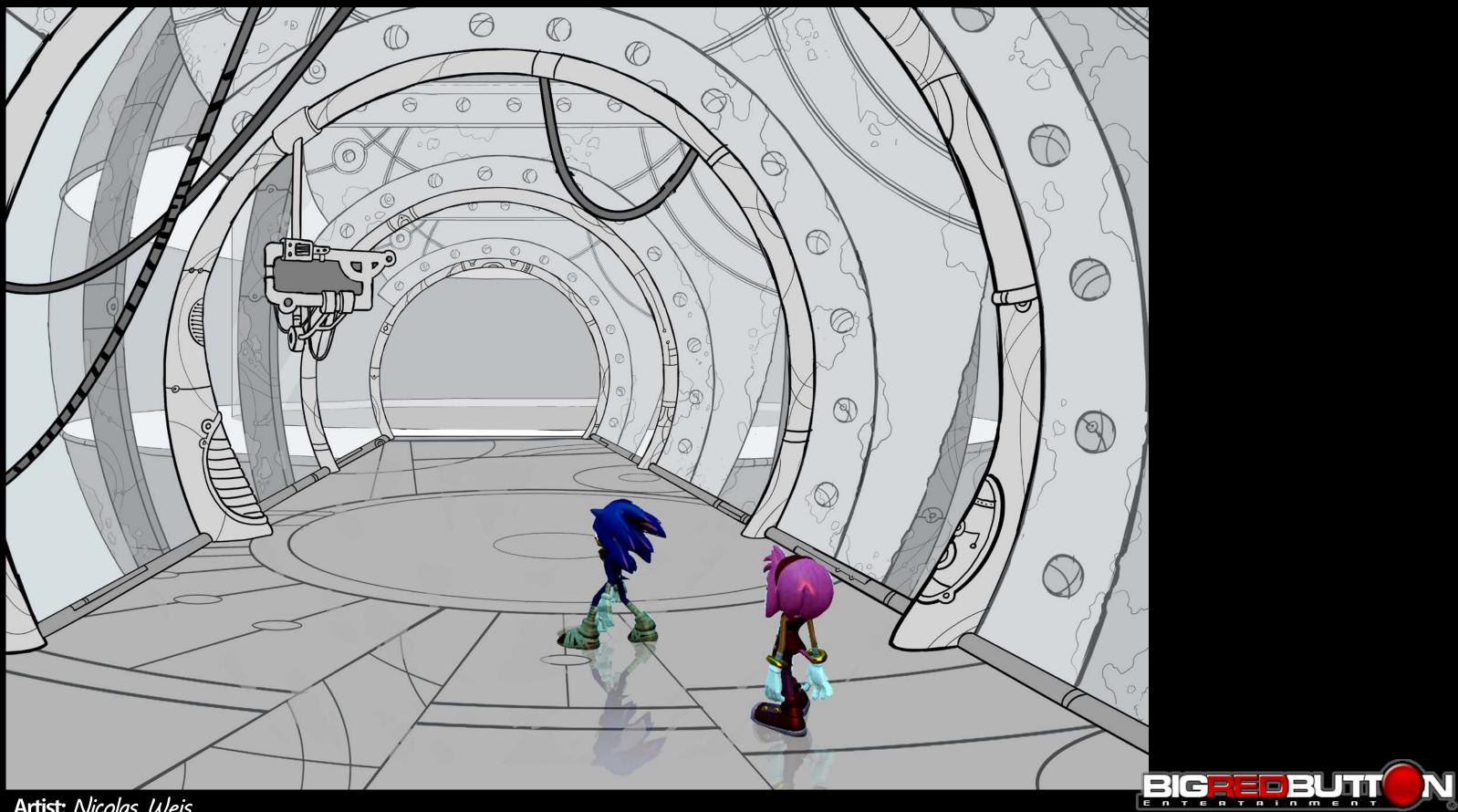


### **Ocean Waterfall – Platform Study**

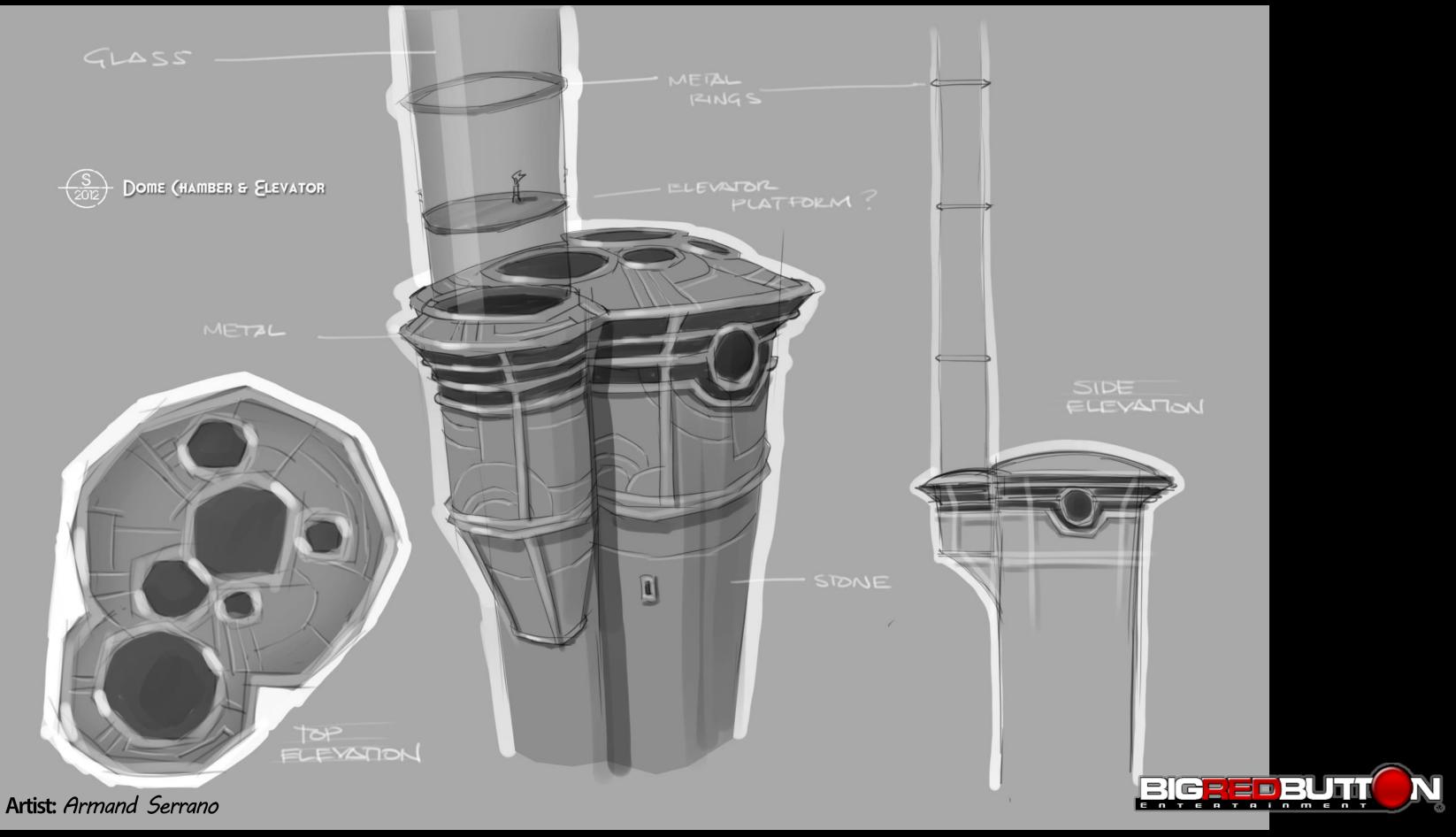












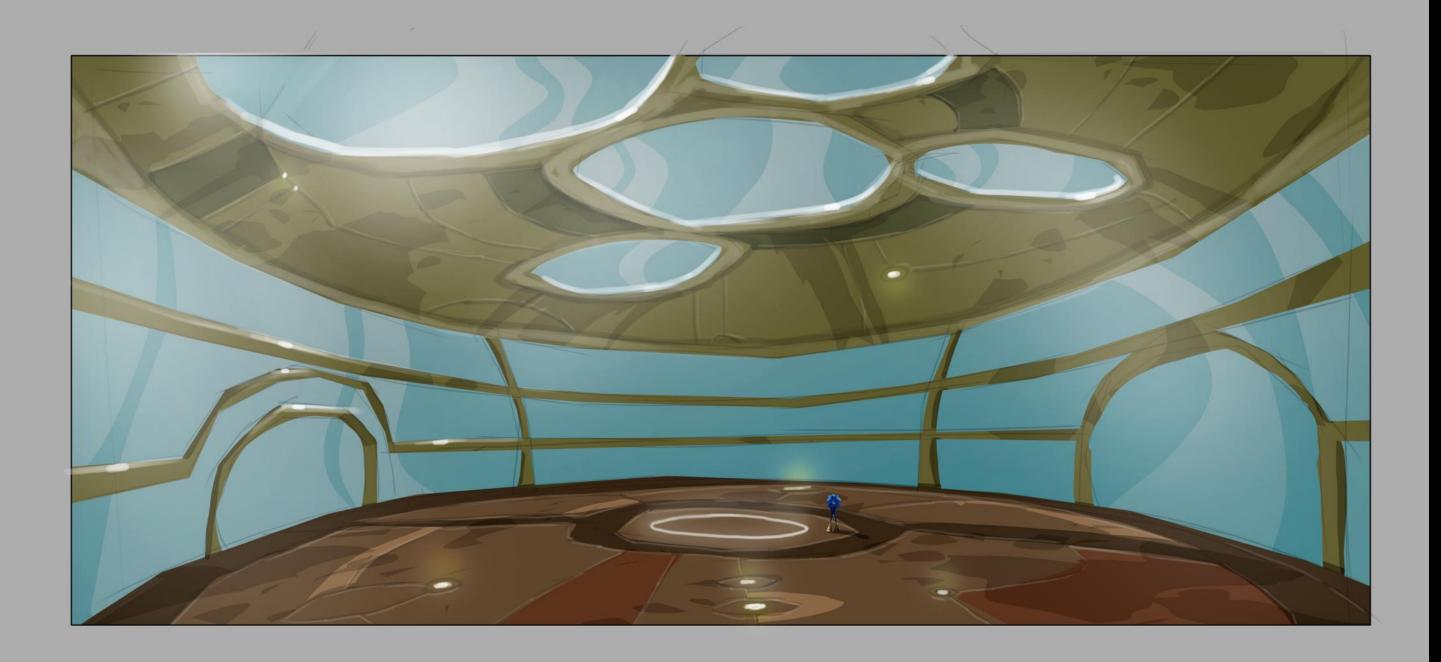


Artist: Armand Serrano

## Dome (HAMBER & ELEVATOR









Artist: Armand Serrano





Artist: Nicolas Weis



Artist: Nicolas Weis









Artist: Yuhki Demers

CamPos=1106.59 1078.70 77.10 Angl= 19 0 -48 ZN=0.25 ZF=8000 FC=0.00 Zoom=1.00 Speed=0.01 DX9 Profile 64bit X360 MT GI DevMode StGT level06 oceanwaterfall [6.6773] DP: 0477 (0476) ShadowGen:0102 (0119) Polys: 217,785 (230,575) Shadow:152,235 (155,165) Streaming IO: ACT: 151msec, Jobs: 0 Mem=510 Peak=513 DLights=(1/1/1/2) FPS 30.3 [30..30], frame avg over 1.0 s

### **Ocean Trench** *Platform Studies*



## WATERFALL LAYOUT SKETCH

CamPos=1145.24 1052.27 76.18 Angl= 1 DX9 Profile 64bit H

Artist: Travis Koller



## **Ocean Trench** *Platform Studies*



Artist: Travis Ruiz



# Ocean Trench Obstacles

# **CLAM PAD and TREASURE CHEST**





### Ocean Trench Obstacles

### reference



# ENVIRONMENT EXPLORATIONS

Mystery Island



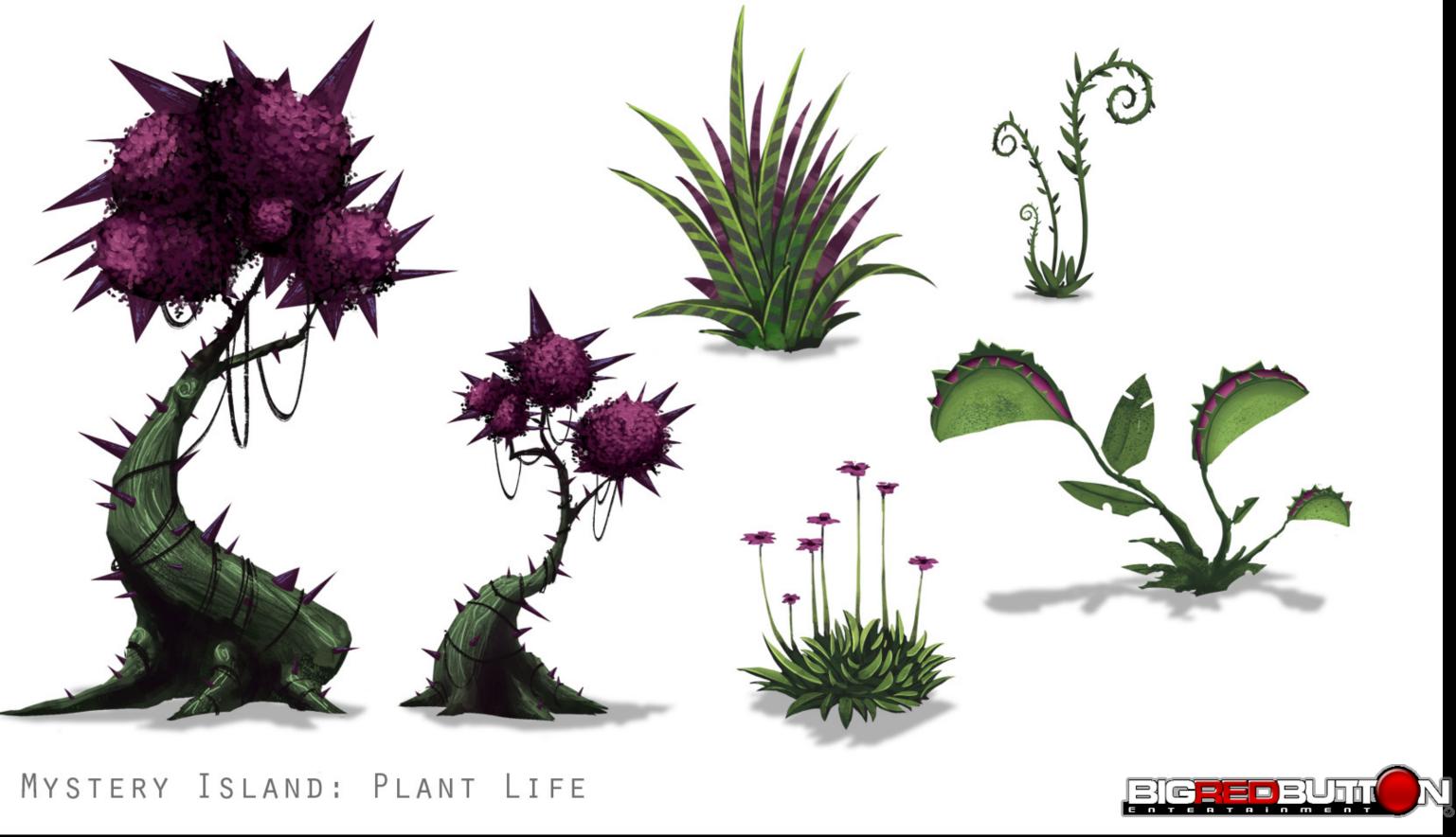
## Mystery Island Beach



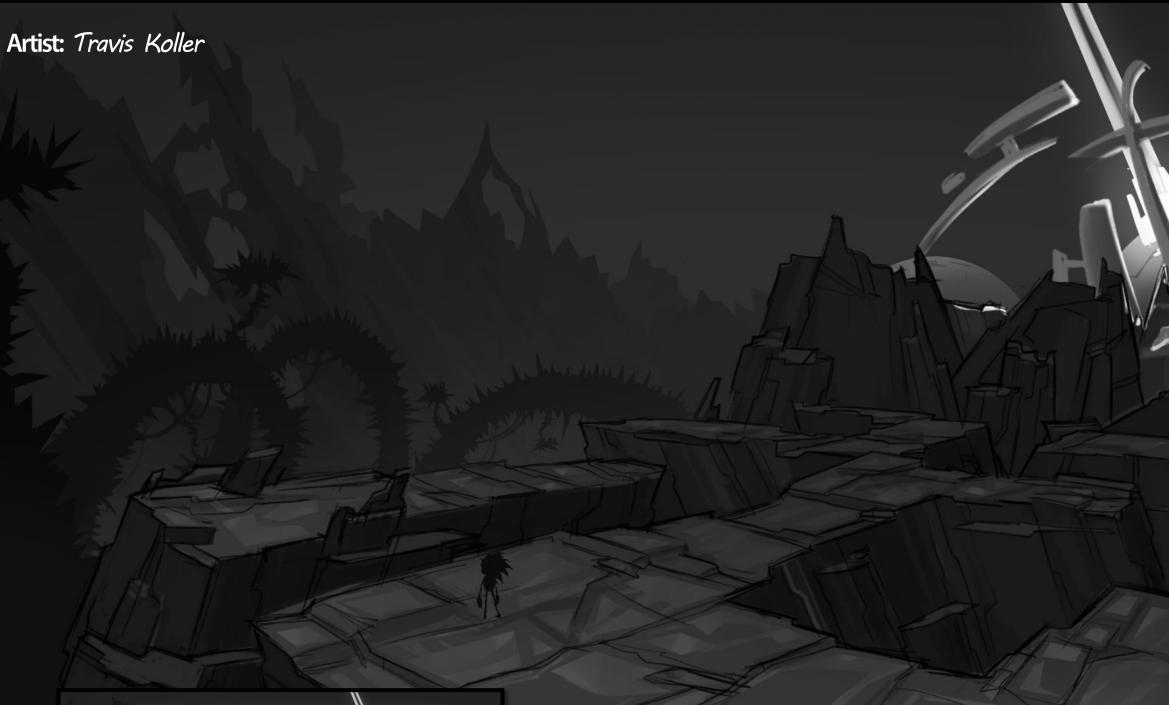


# Mystery Island Corroded Rock Pillars

### Artist: Yuhki Demers







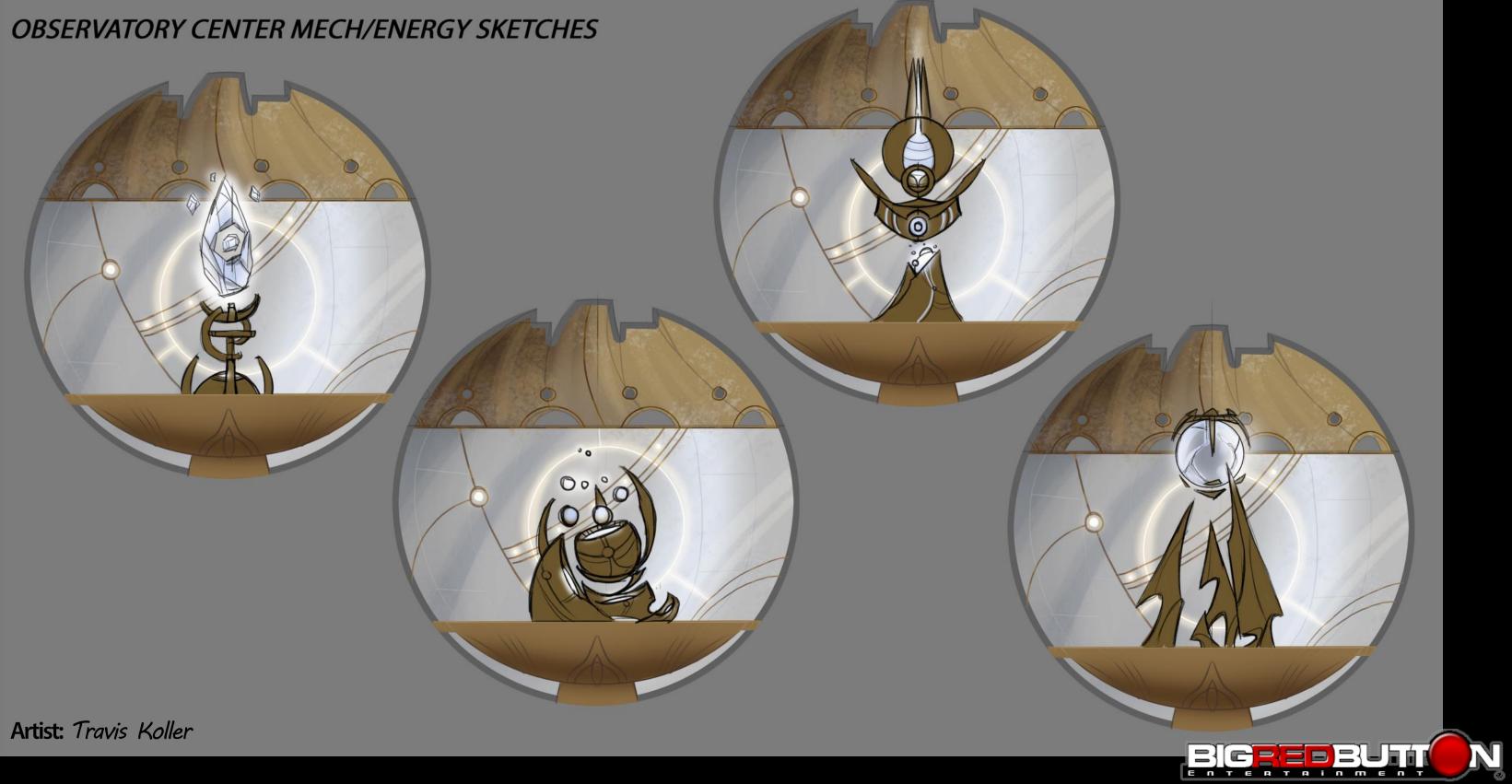


Sections of this maze, built out of crystalline alabaster rocks, not unlike Fortress of Solitude in shape, rise to become platforms. The color call out to the left shows how some of the sections could move.

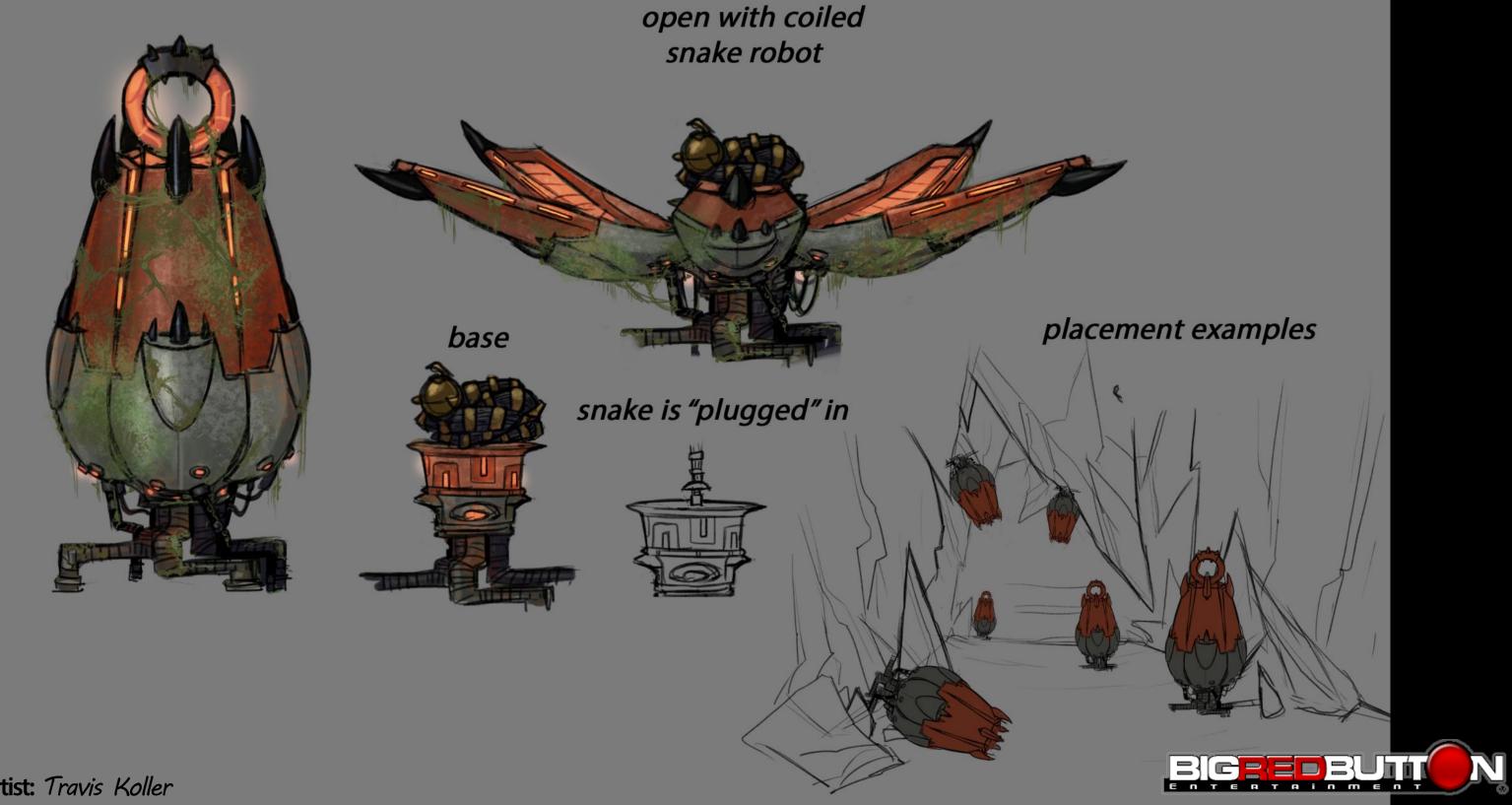
# Mystery Island Crystalline Rock Maze







## **MYSTERY ISLAND POD**



# **MYSTERY ISLAND MAZE PLATFORM EXPORATION**

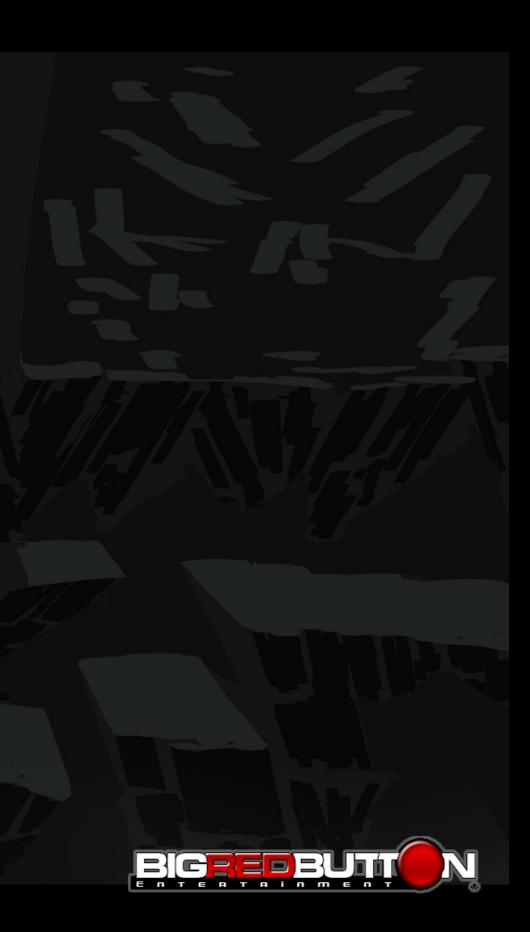
possible metal tech on the ground for visual interest or for activation of maze. Could have energy or movement?

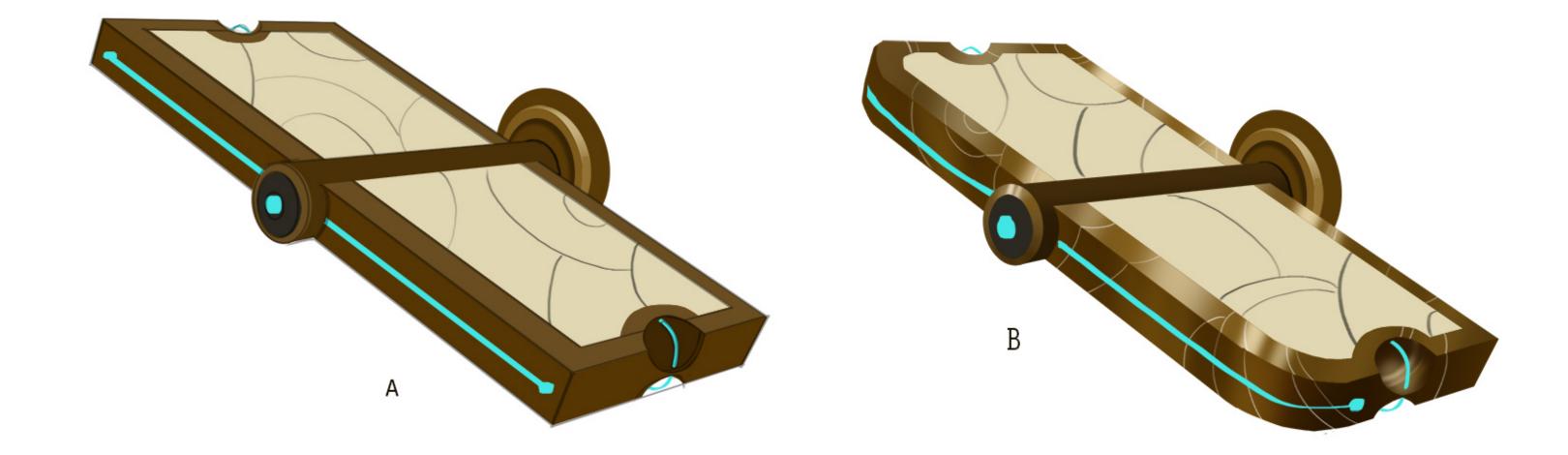




MYSTERY ISLAND: SECTION 2 DETAIL

Artist: Yuhki Demers

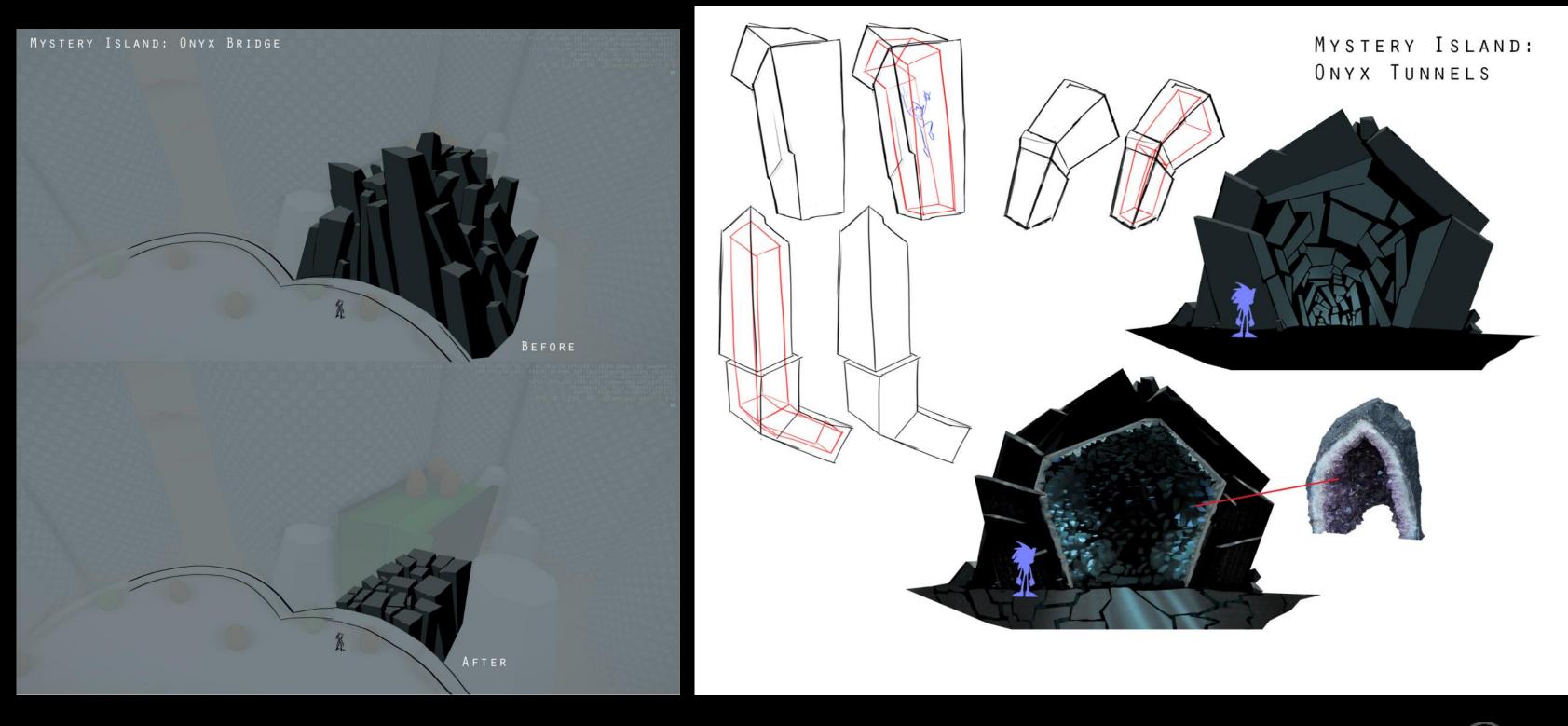




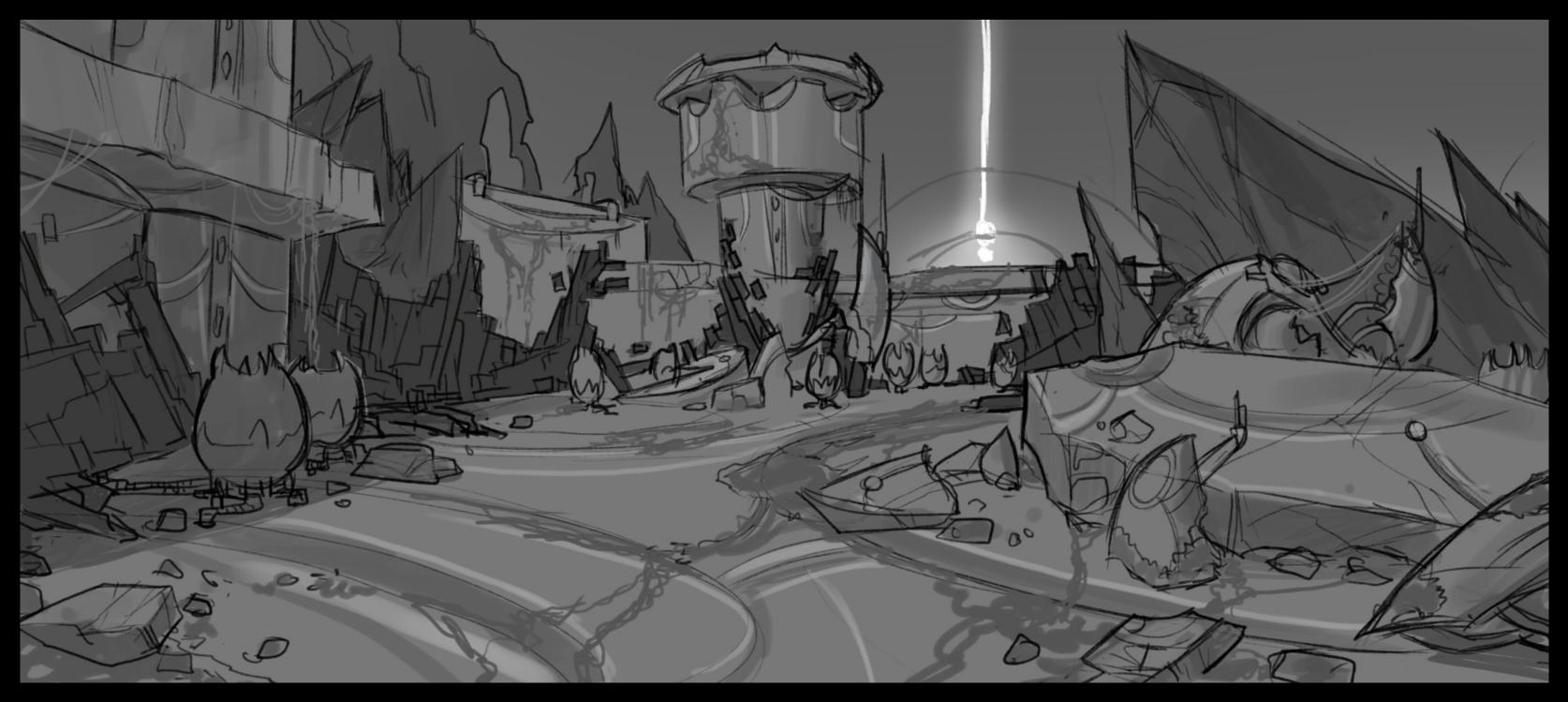
### Mystery Island:Section 2 Teeter Platforms



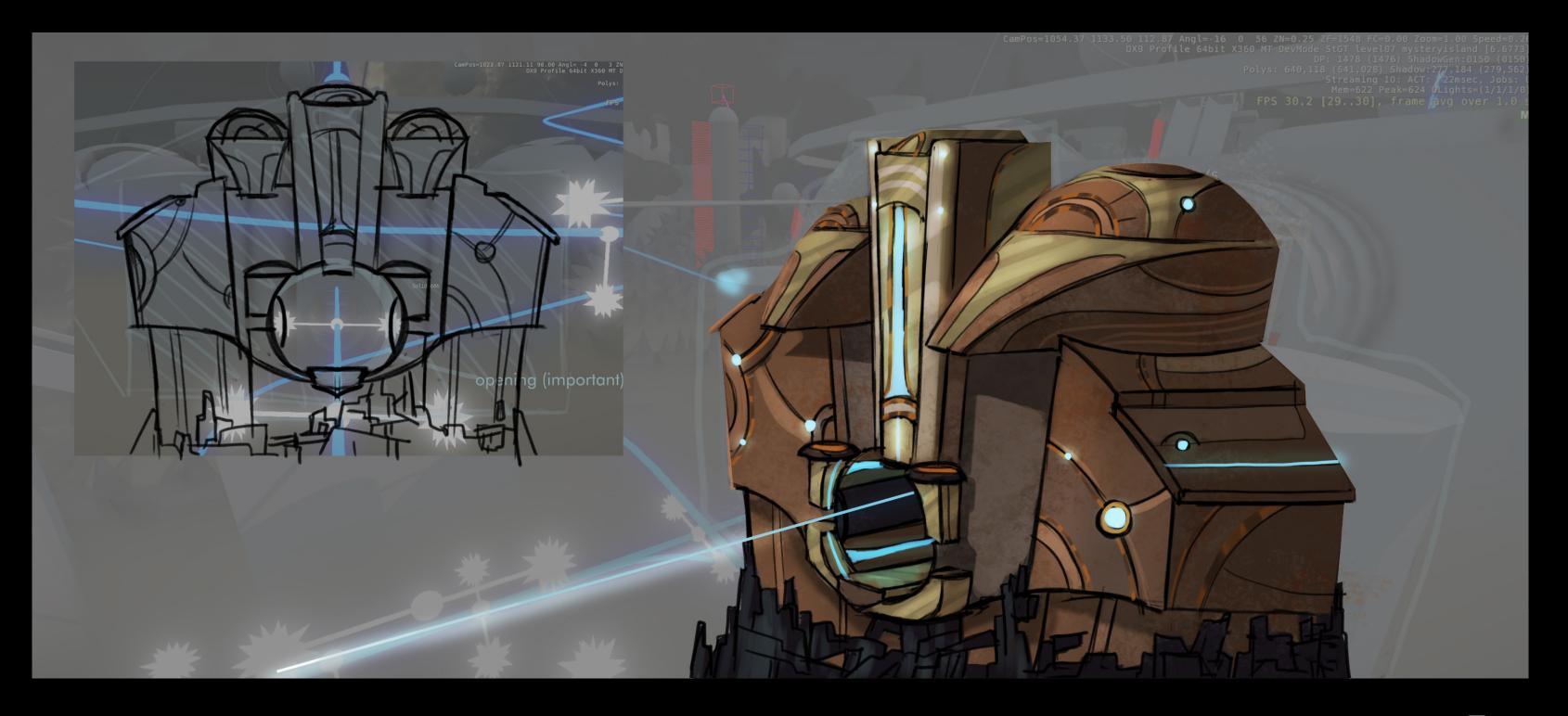
### Artist: Yuhki Demers











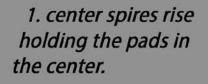


TOWER



Artist: Travis Koller

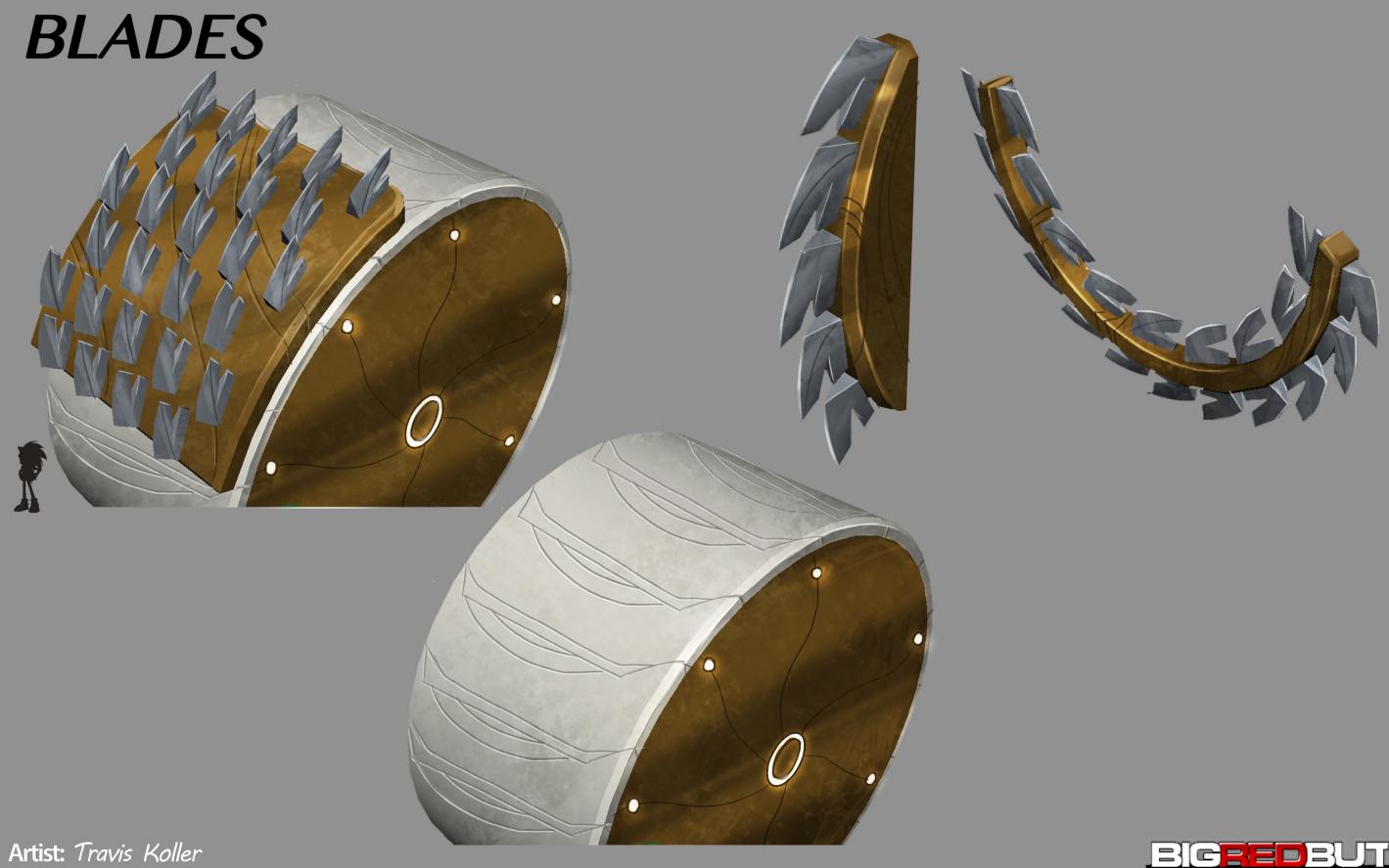
top



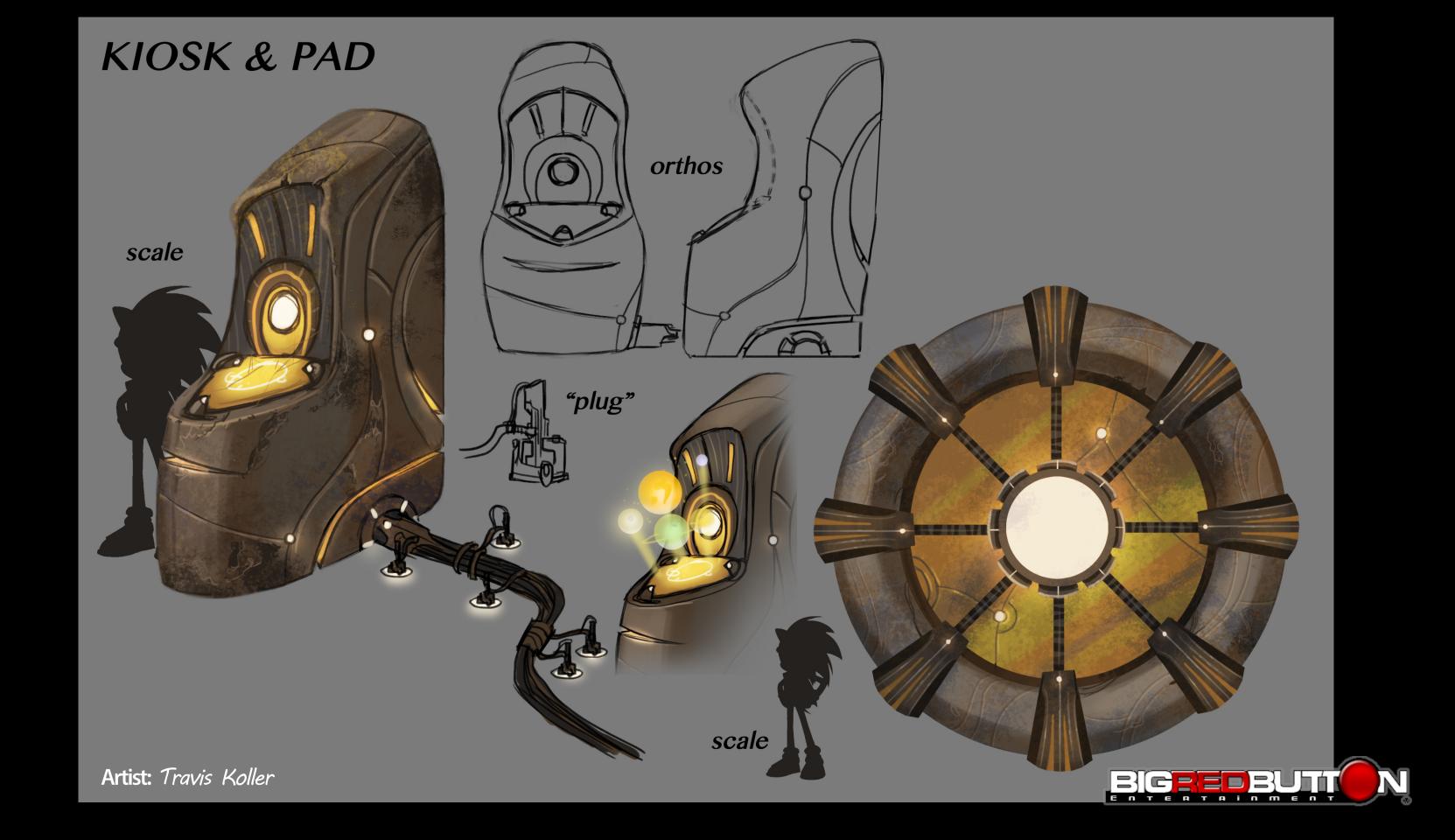
2. the spires open partially and the pads drop and hover in the middle.

*3. the 2 spires woth pads lower further and the pads hover slightly over them. The center pad hovers in the middle* 

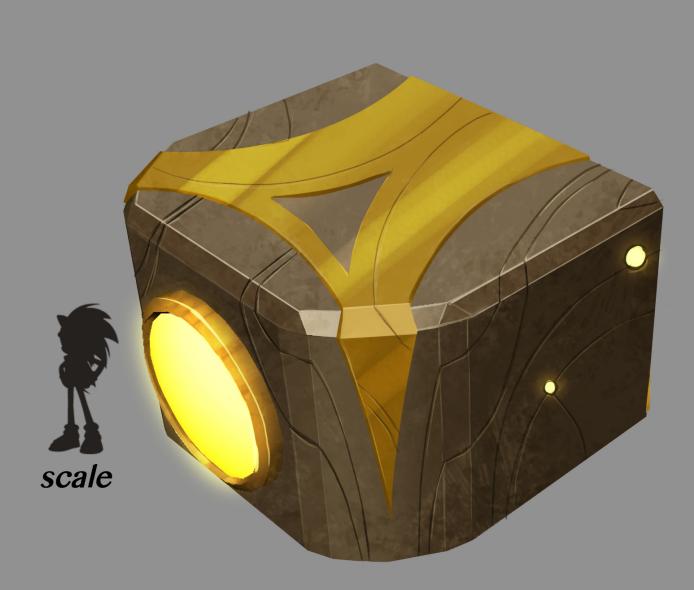








# HAMMER BLOCK







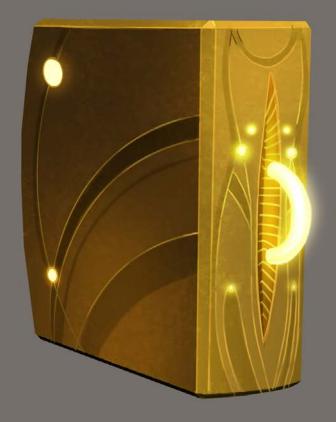




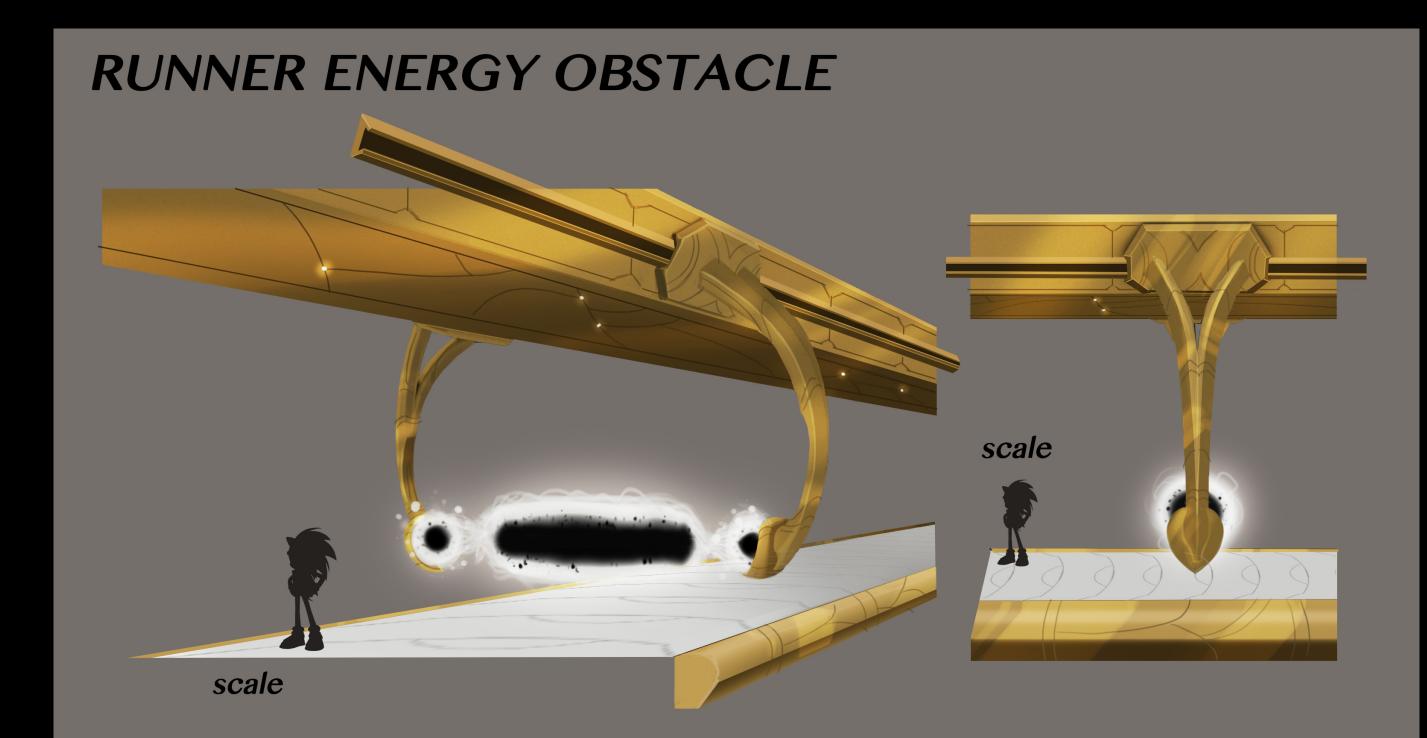
## **PLASMA BUTTON**

# **PULL BLOCKS**

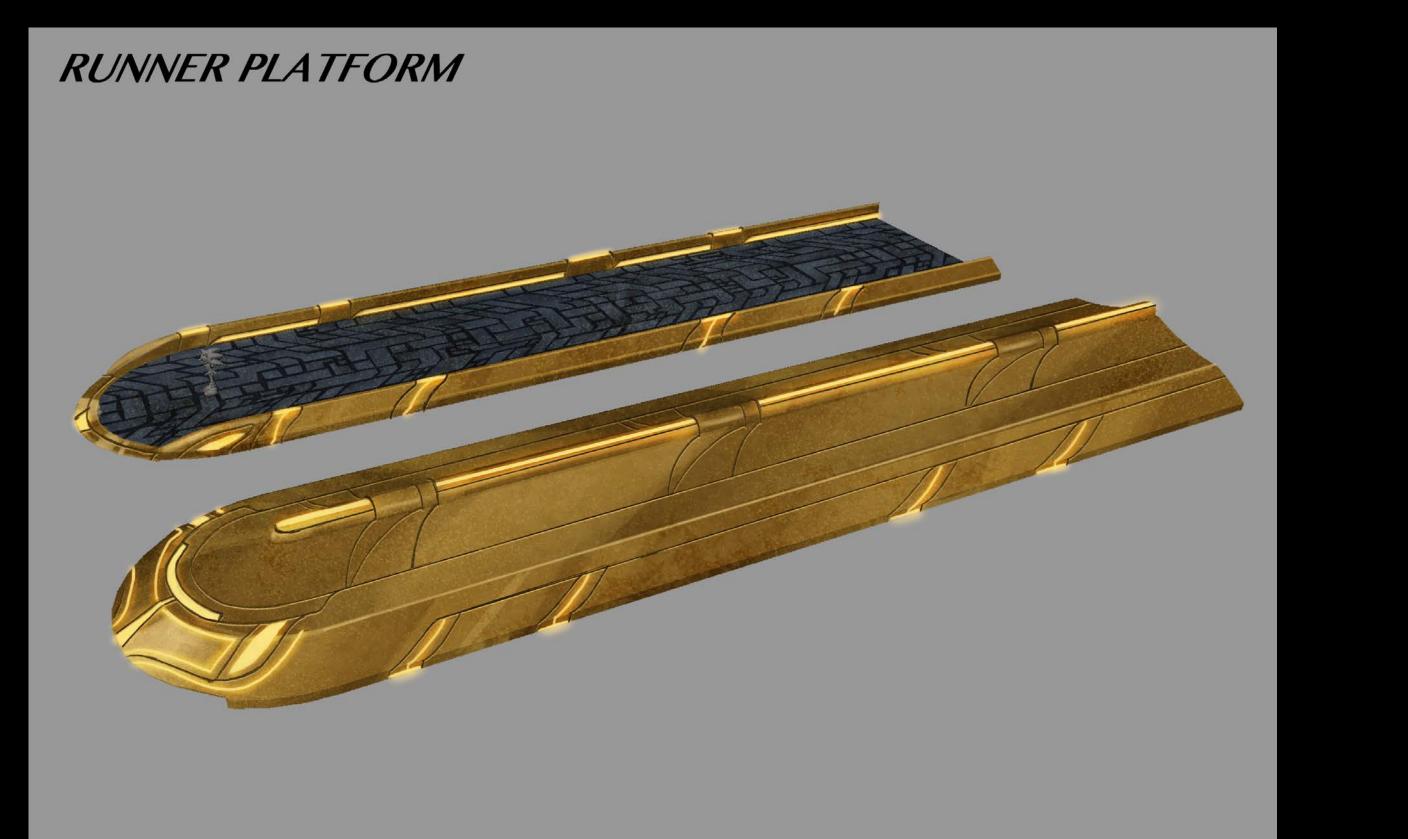














# ENVRONMENT EXPLORATIONS

Ancient Temple Past/Present





N.



LII









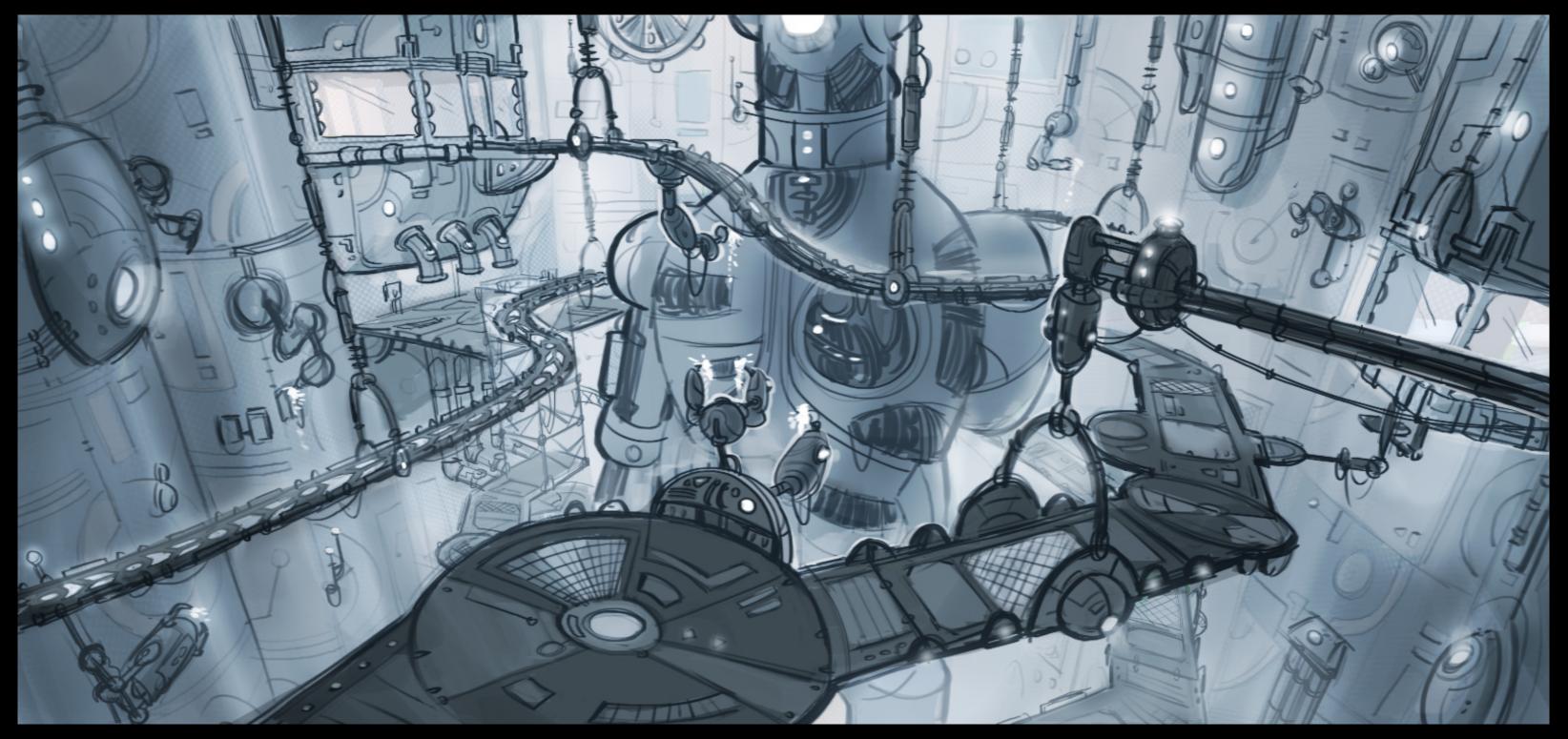




#### PORTAL ROOM GUIDE FINAL

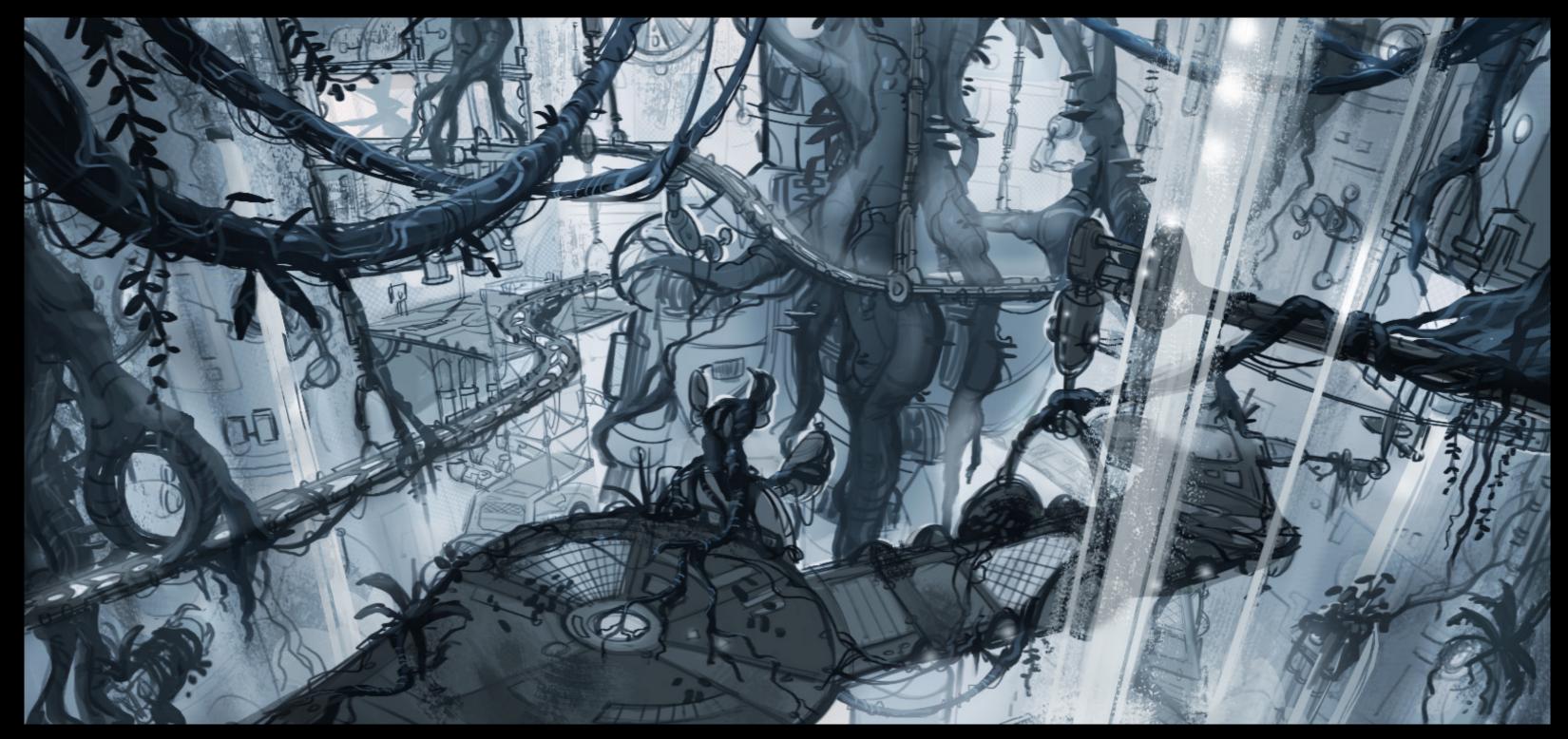


# Ancient Temple Past – Golem Room



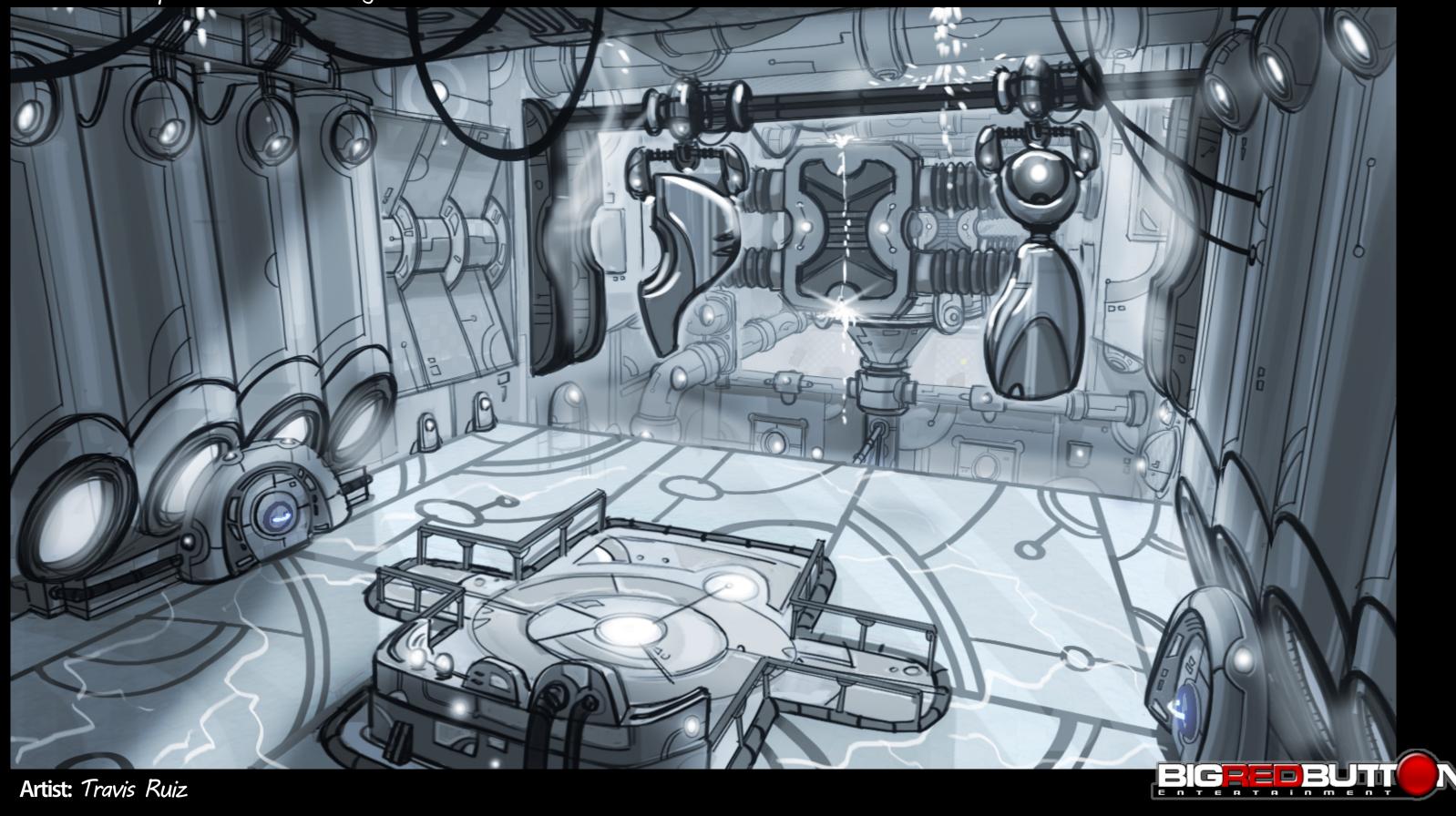


## Ancient Temple <mark>Present</mark> – Golem Room





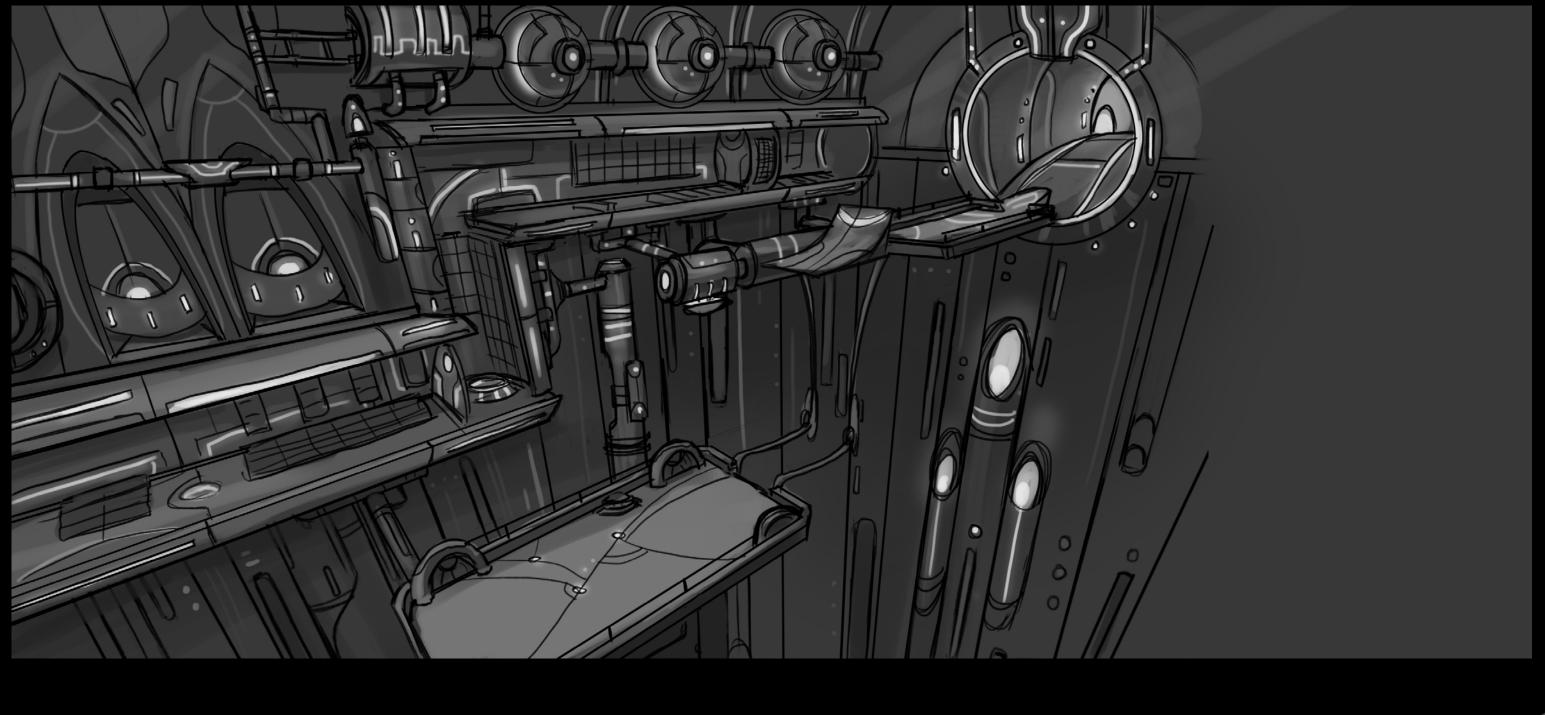
## Ancient Temple Past – Assembly Line



#### Ancient Temple Past – Hallway



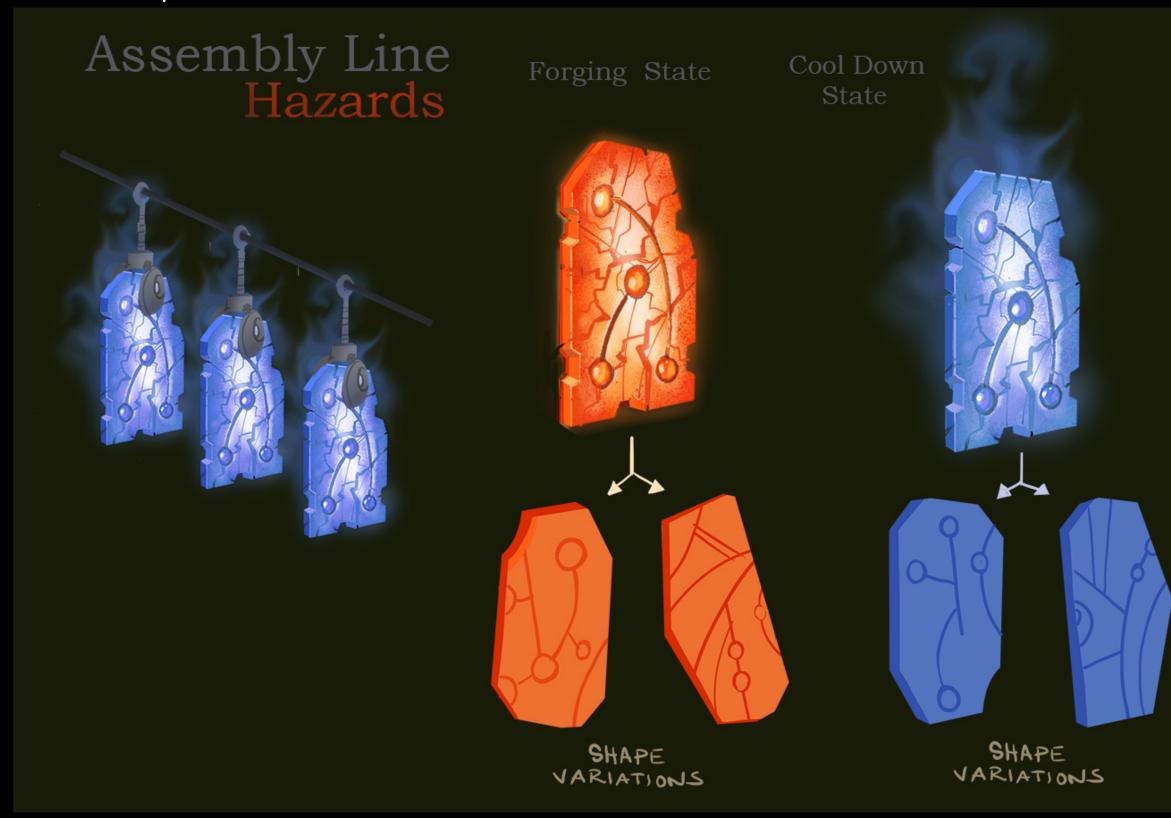
#### Ancient Temple Past – Furnace Room

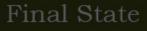


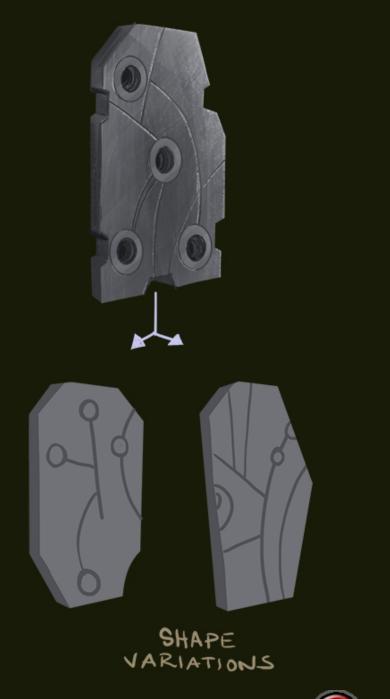
Artist: Travis Koller



Ancient Temple Past – Furnace Room Hazards





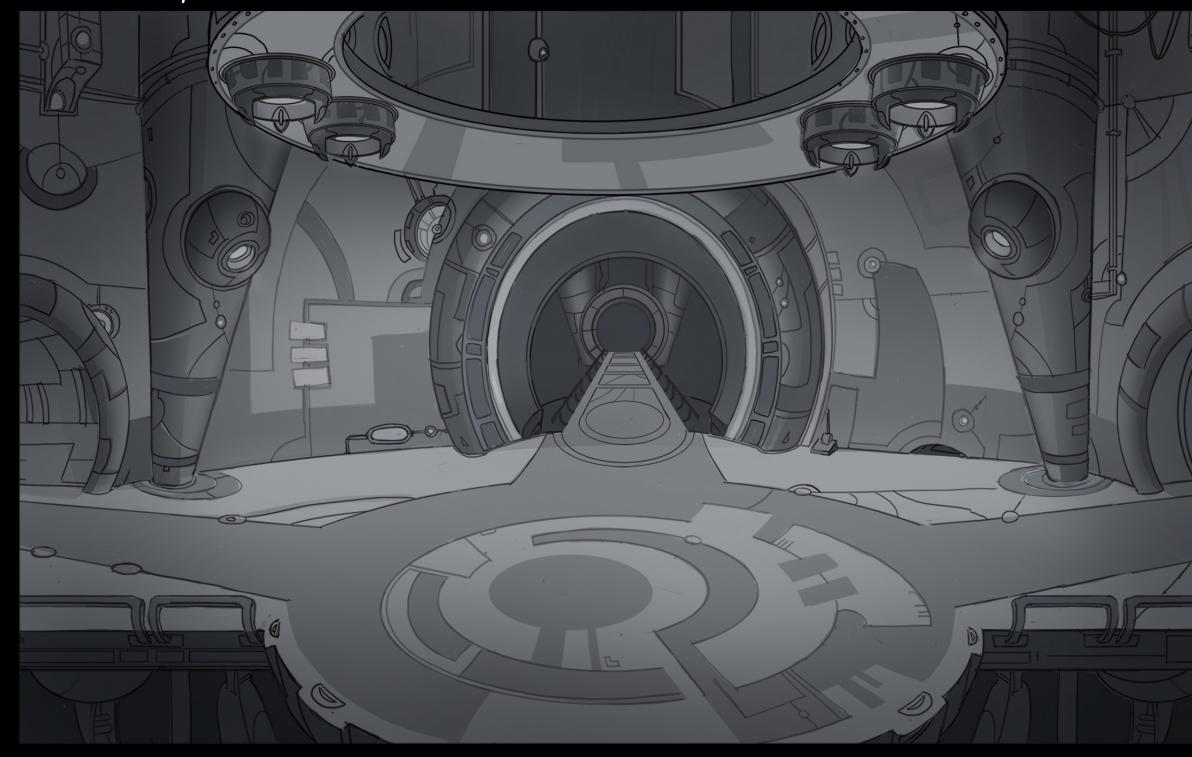


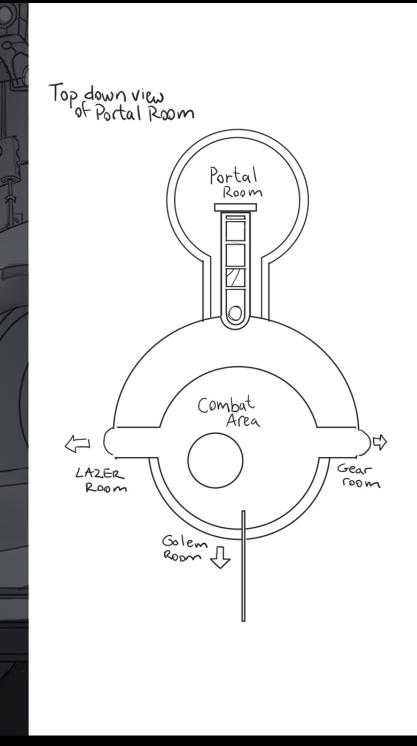


## Ancient Temple Past – Golem Room Entrance



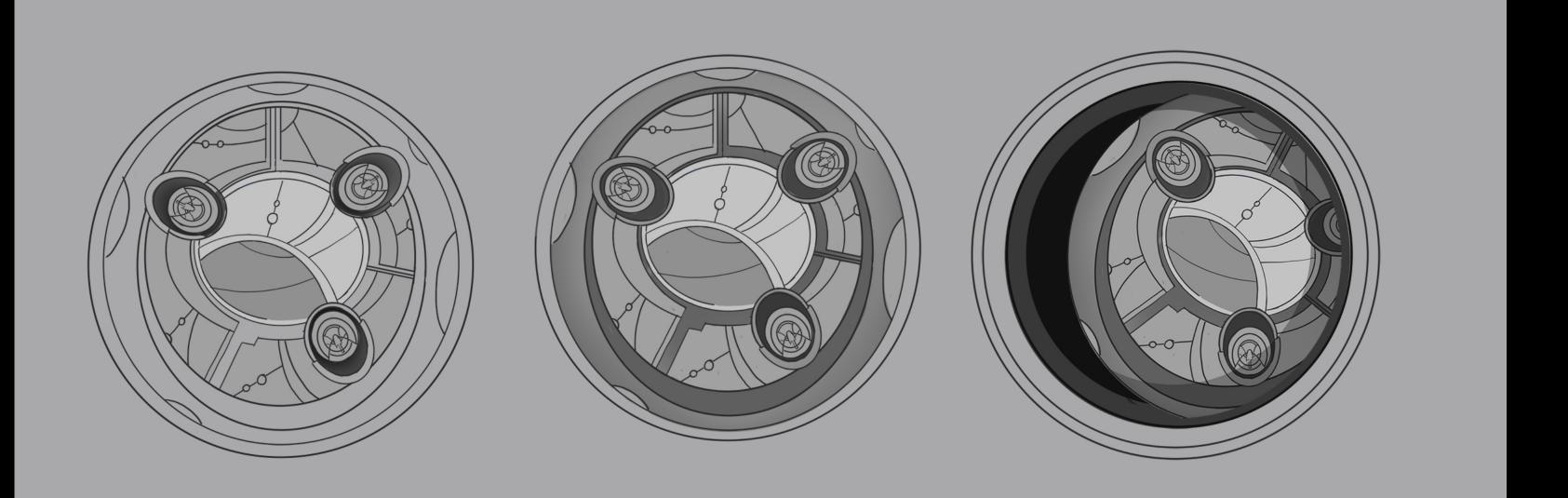
#### Ancient Temple Past – Portal Room







#### Ancient Temple Past – Portal Room Vault Door

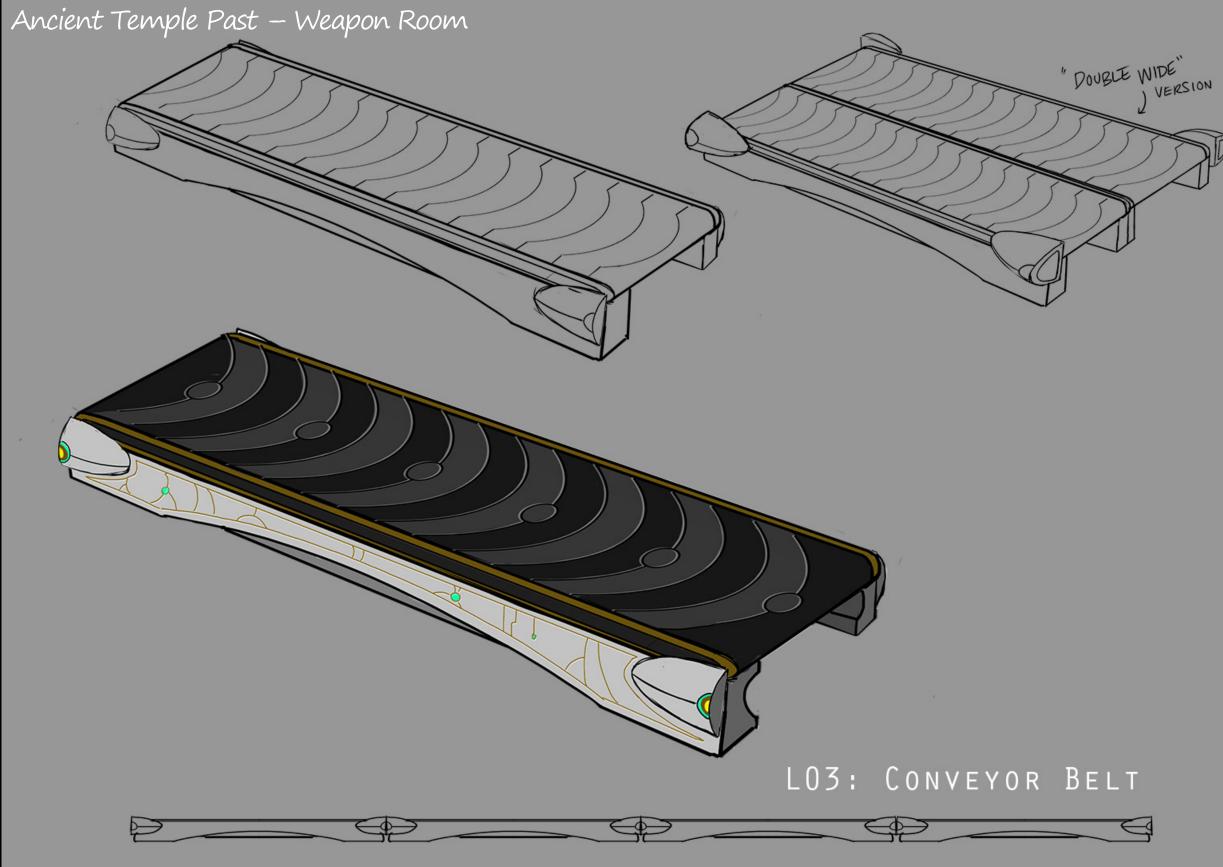




#### Ancient Temple Past – Weapon Room



Artist: Travis Koller



Artist: Yuhki Demers

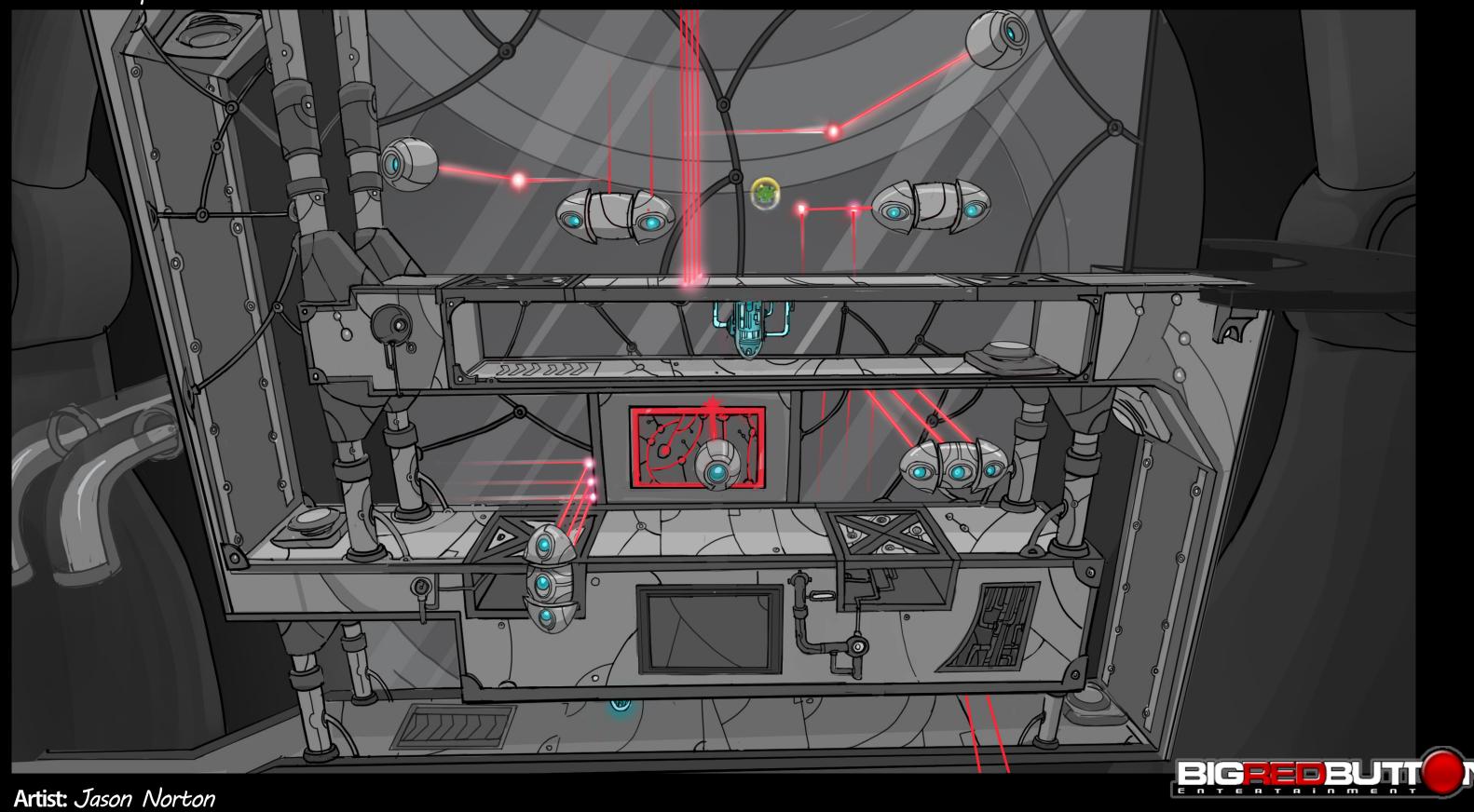




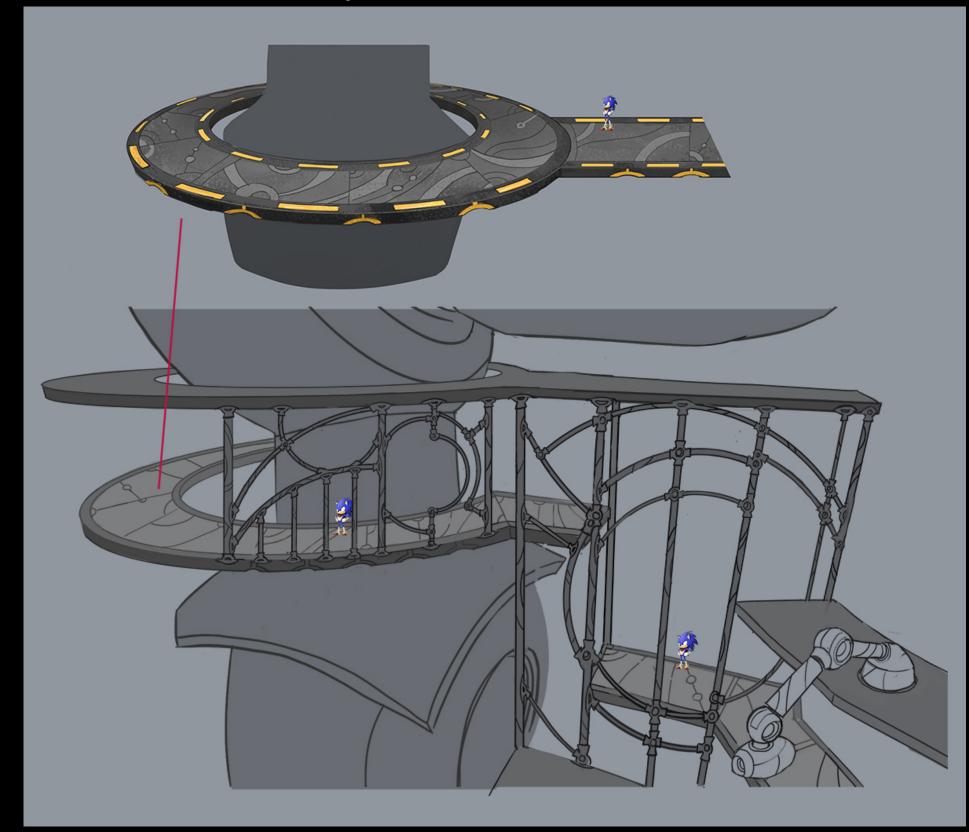
#### Ancient Temple Past – Gear Room



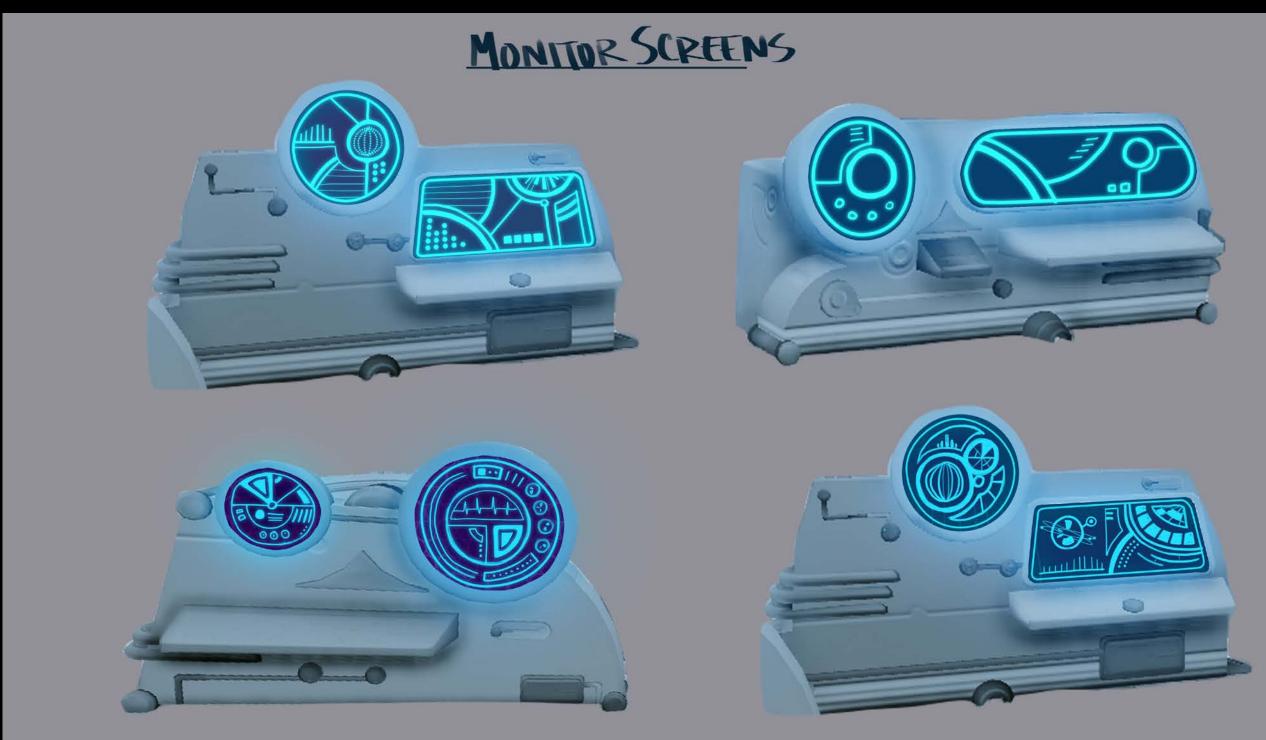
## Ancient Temple Past – Golem Chest 2D



## Ancient Temple Past – Golem Room Scaffolding

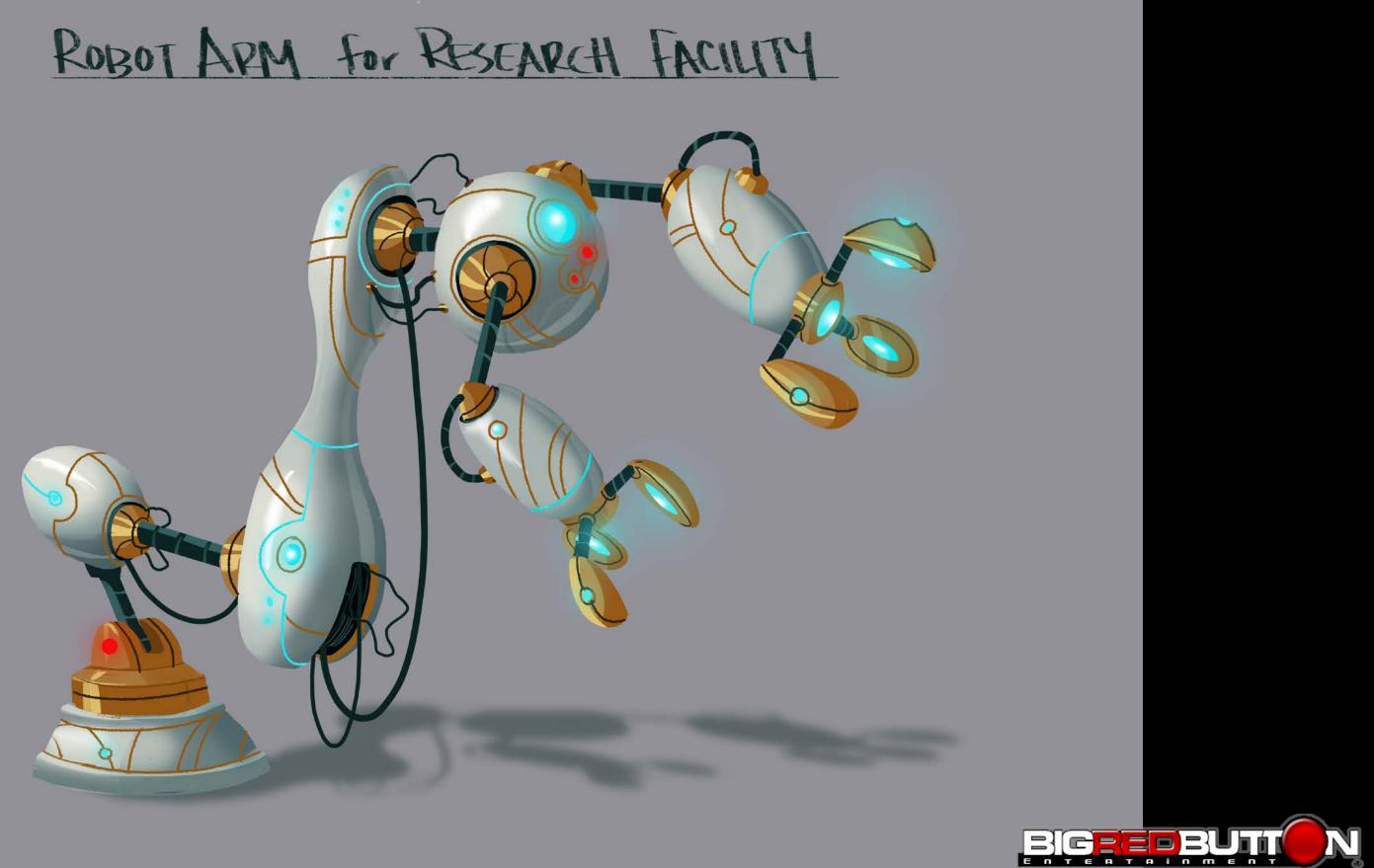






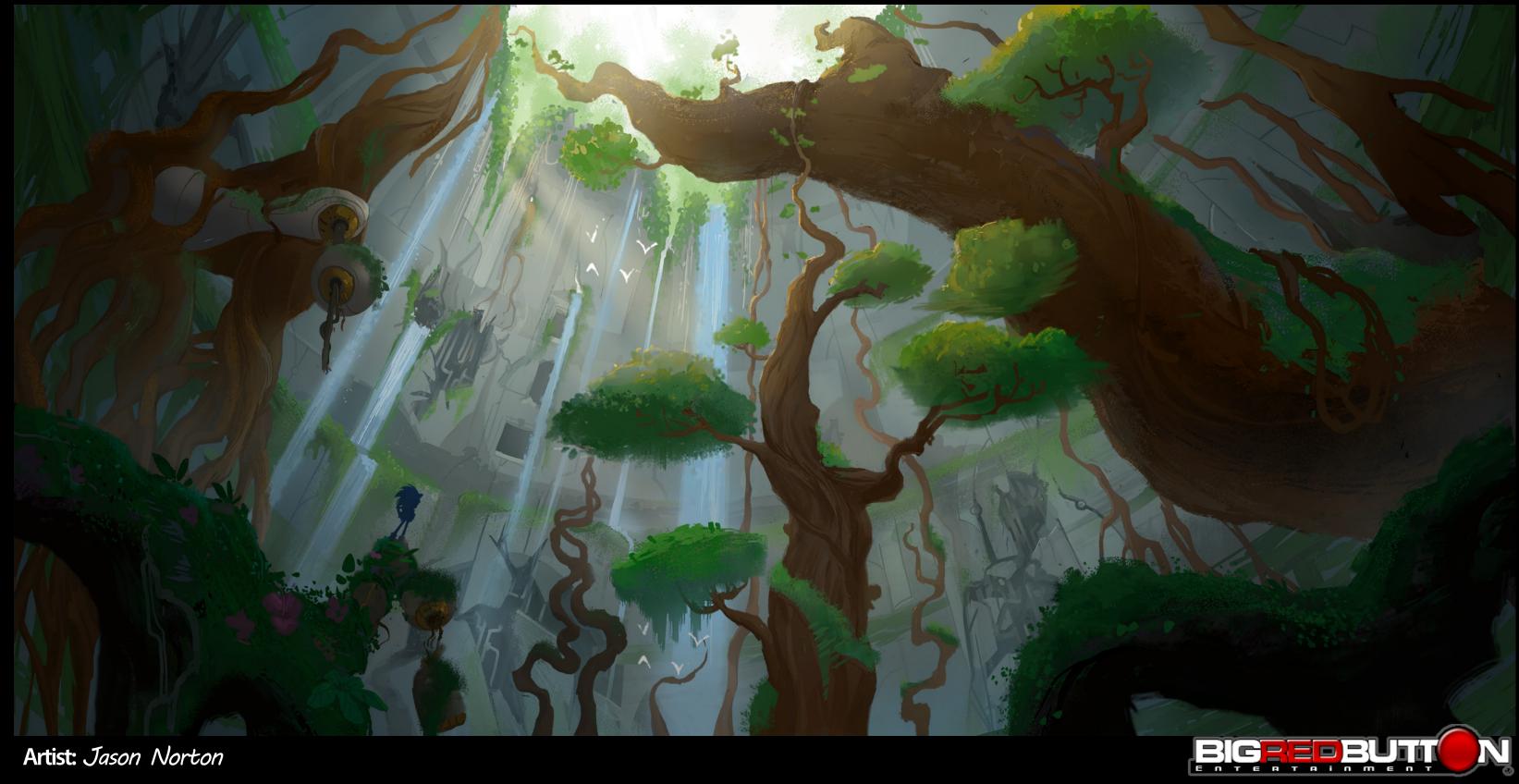








#### Ancient Temple Present – Golem Room Concept



## Ancient Temple Present – Light Room Concept



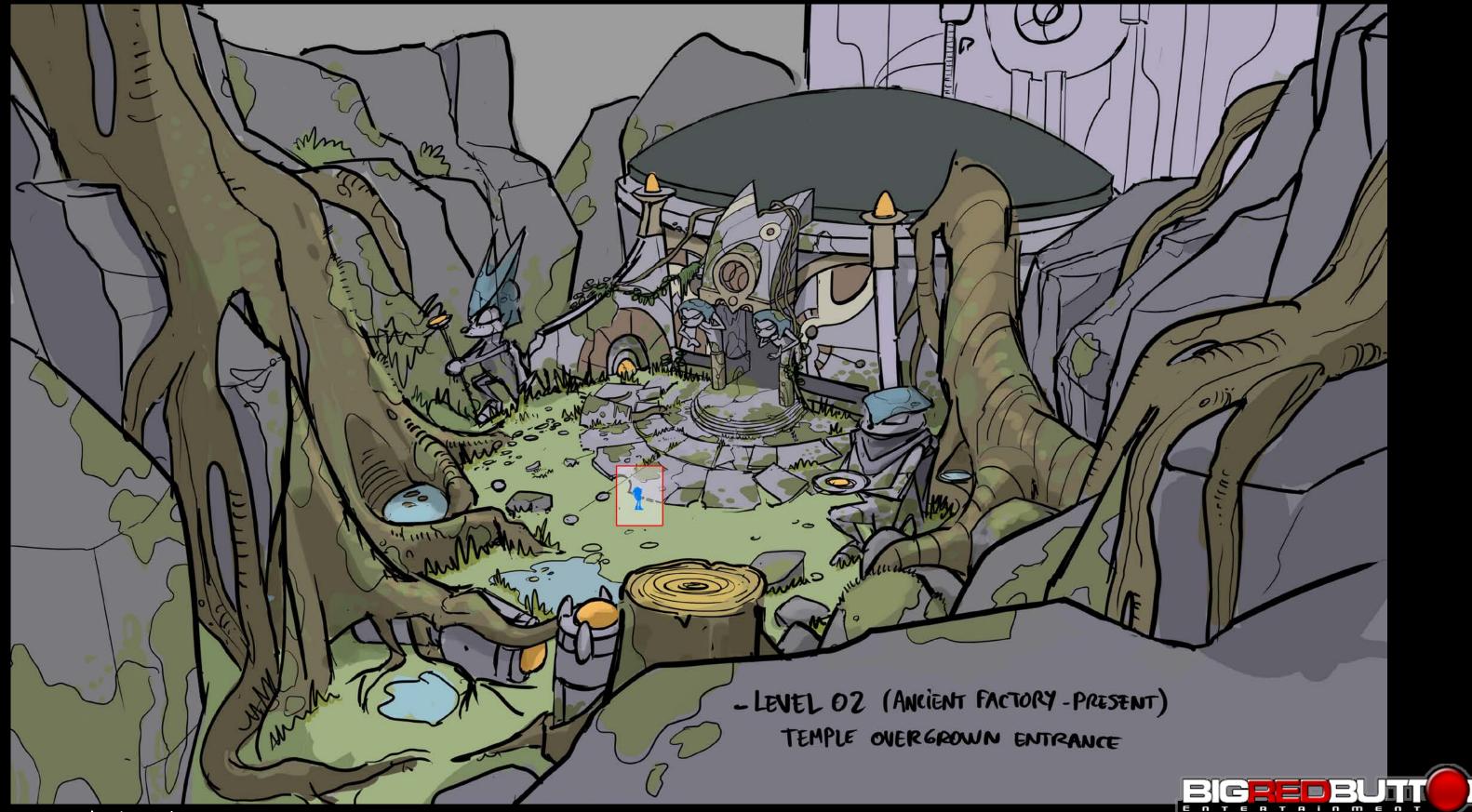
#### Ancient Temple Present – FedEx Room Concept



#### Ancient Temple Present – Warthog Start Room Concept



Ancient Temple Present – Temple Entrance Concept



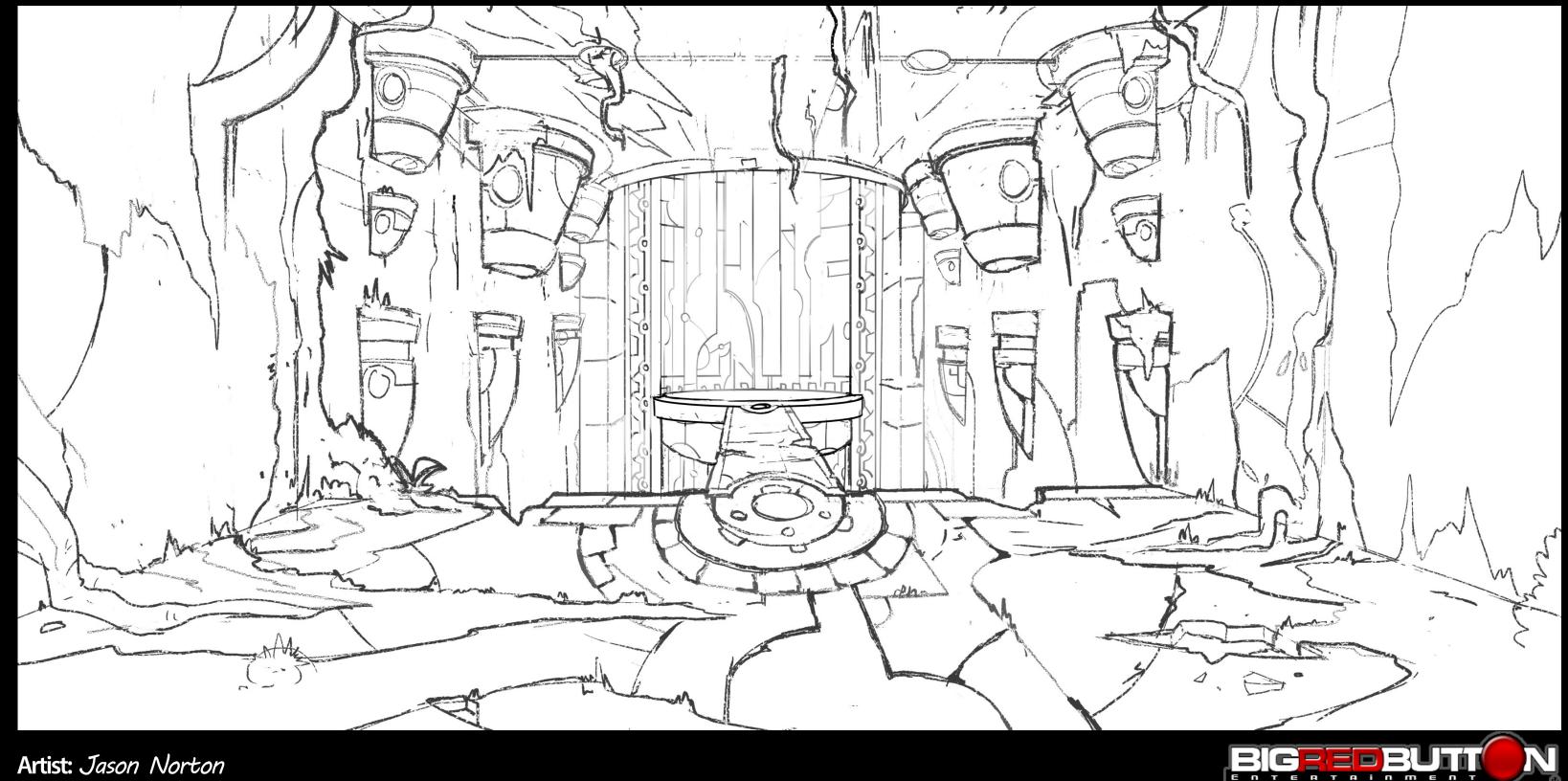
Artist: Nicolas Weis

#### Ancient Temple Present – Lobby Concept

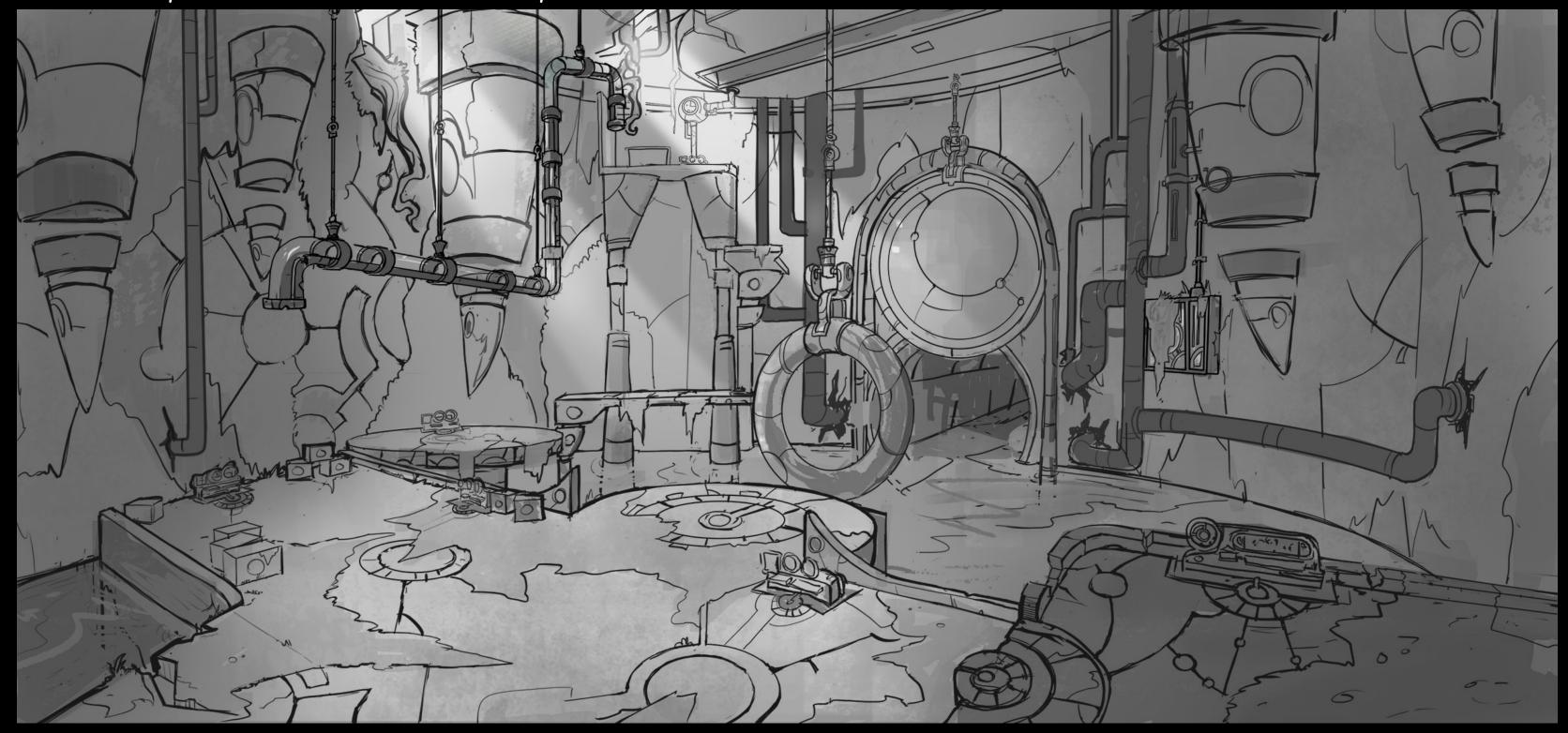


Artist: Nicolas Weis

#### Ancient Temple Present – Elevator Room Concept

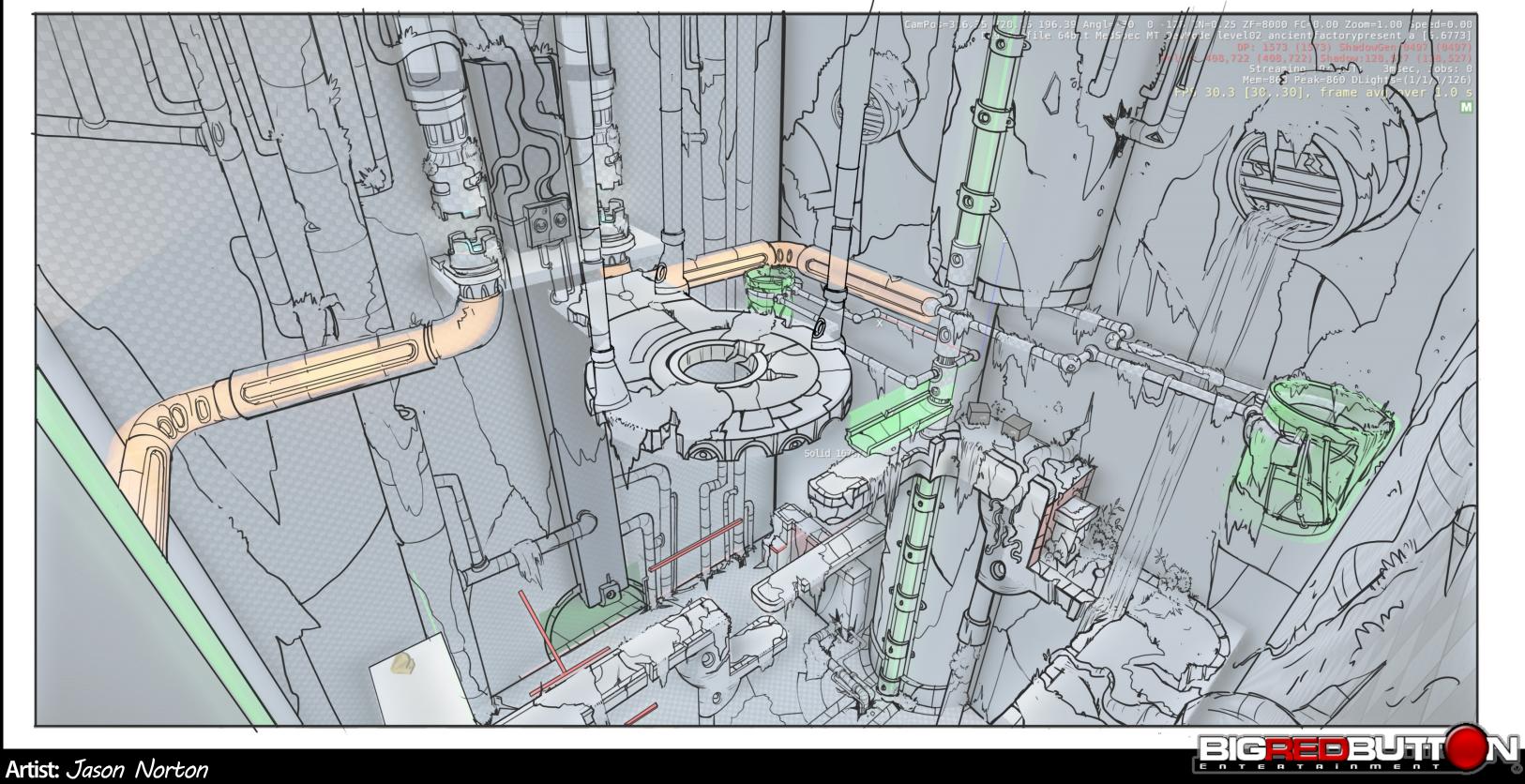


#### Ancient Temple Present – Puzzle Room Concept

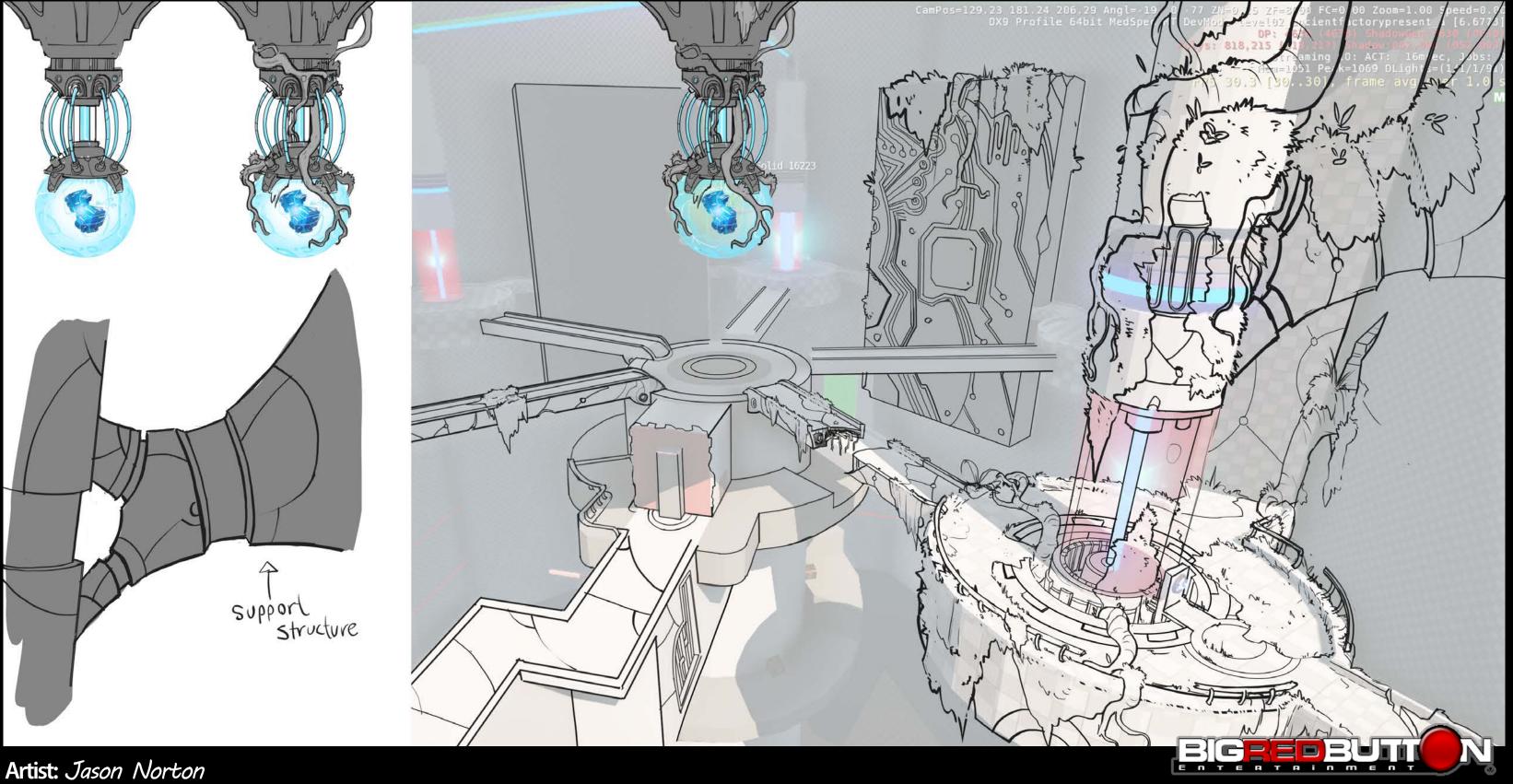




#### Ancient Temple Present – Room 4 Concept



#### Ancient Temple Present –Room 4 Concept



# ENVIRONMENT EXPLORATIONS

Cloud City



# Cloud City – Entrance





# Cloud City – Section 3 Draw-over



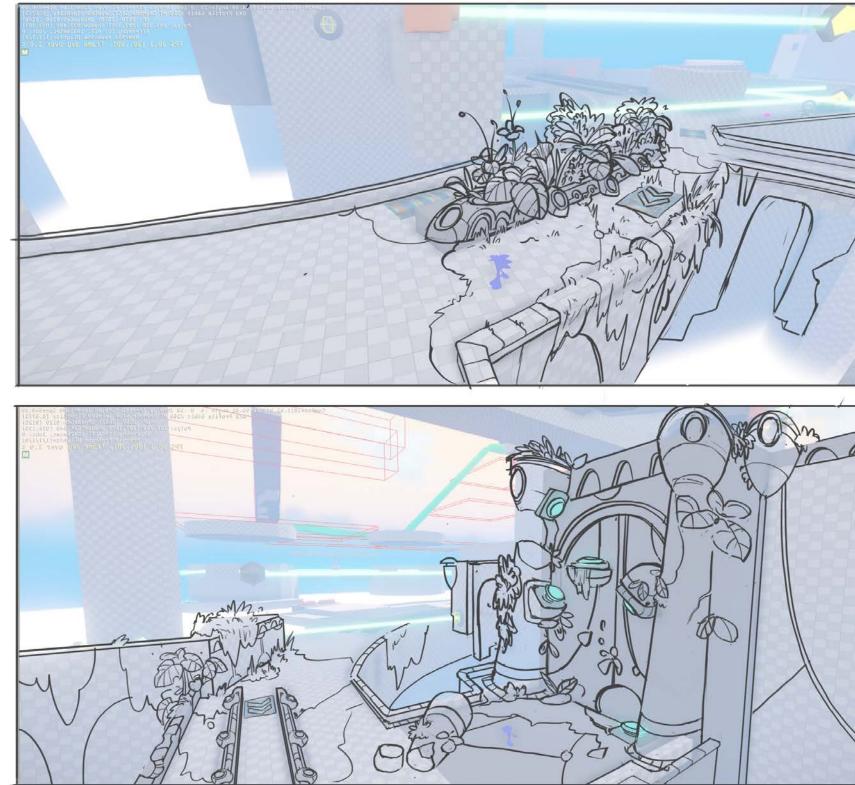


# Cloud City – Floating Quads



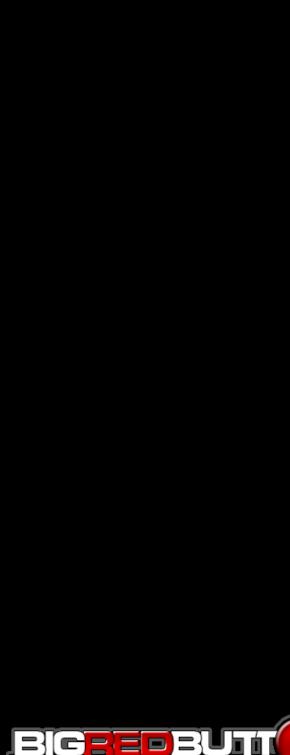


## Cloud City – Section 3 Callouts



Artist: Jason Norton

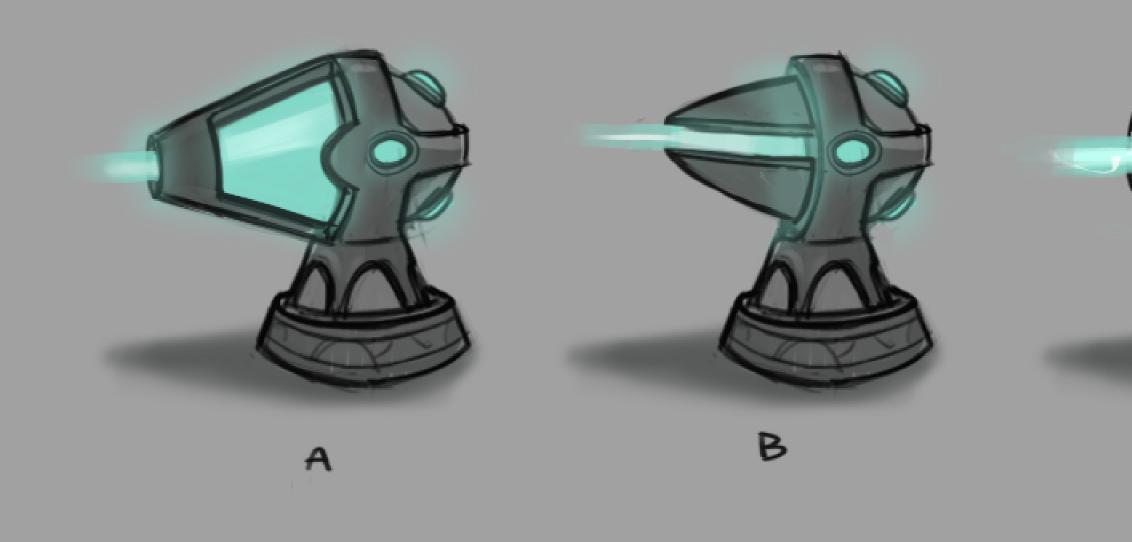




Entertainmen

Cloud City – Laser Concepts

## LEVEL 9 LAZERS



Artist: Travis Ruiz

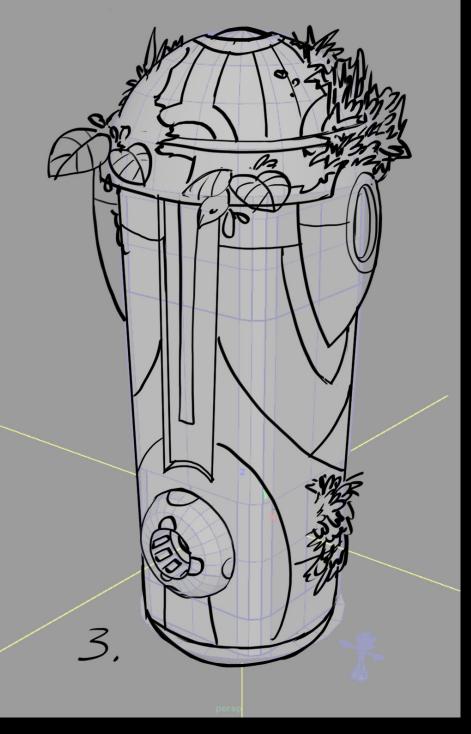


#### Cloud City – Master Reveiver Concept





Artist: Jason Norton



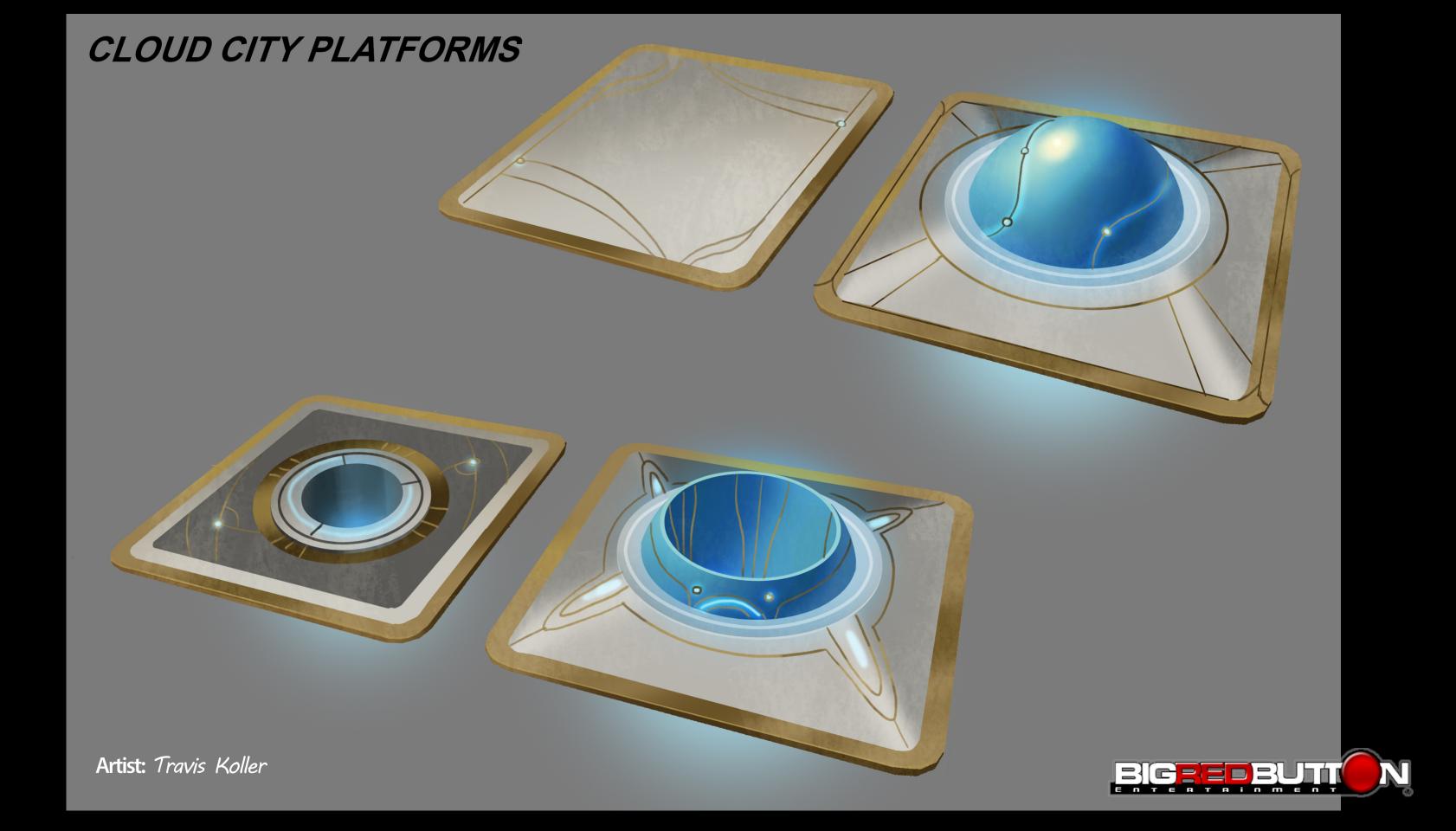


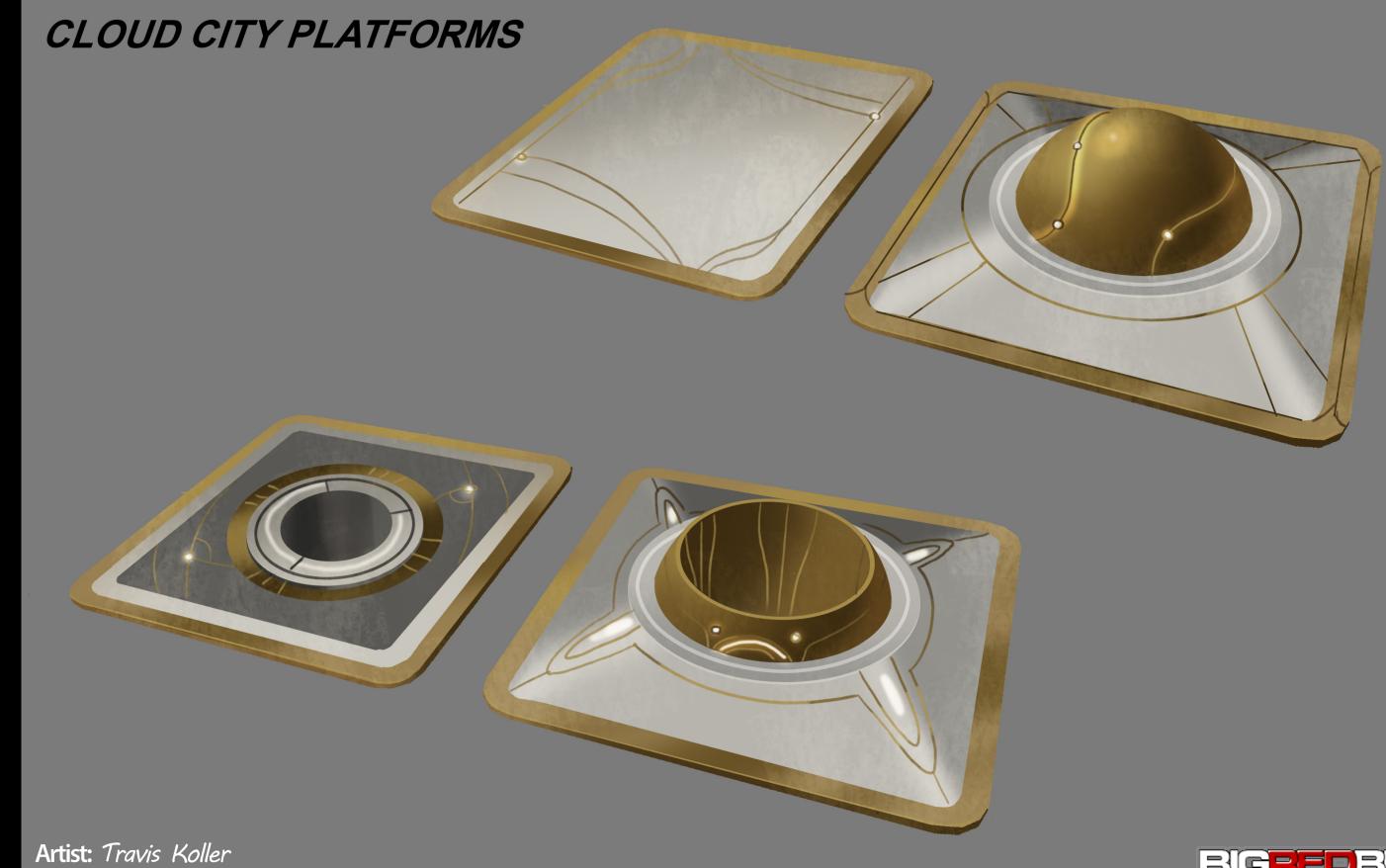
#### **CLOUD CITY CRESCENT & BLADE PLATFORMS**



Artist: Travis Koller









### CLOUD CITY SPIKE HAZZARDS



Artist: Travis Koller



# ENVIRONMENT EXPLORATIONS Lyric's Tomb



#### Artist: Nicolas Weis

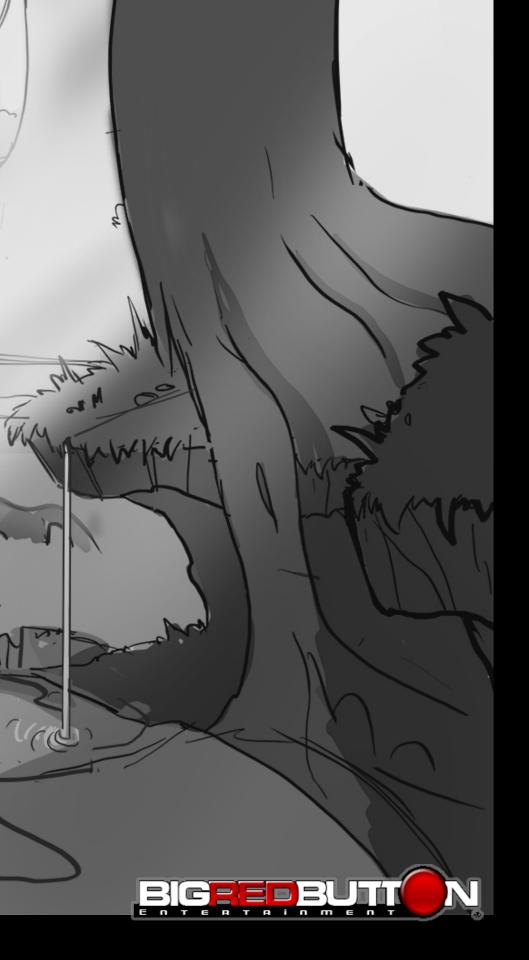


Lyric's Tomb – Tomb Entrance



Artist: Nicolas Weis

Lyric's Tomb – Tomb Entrance



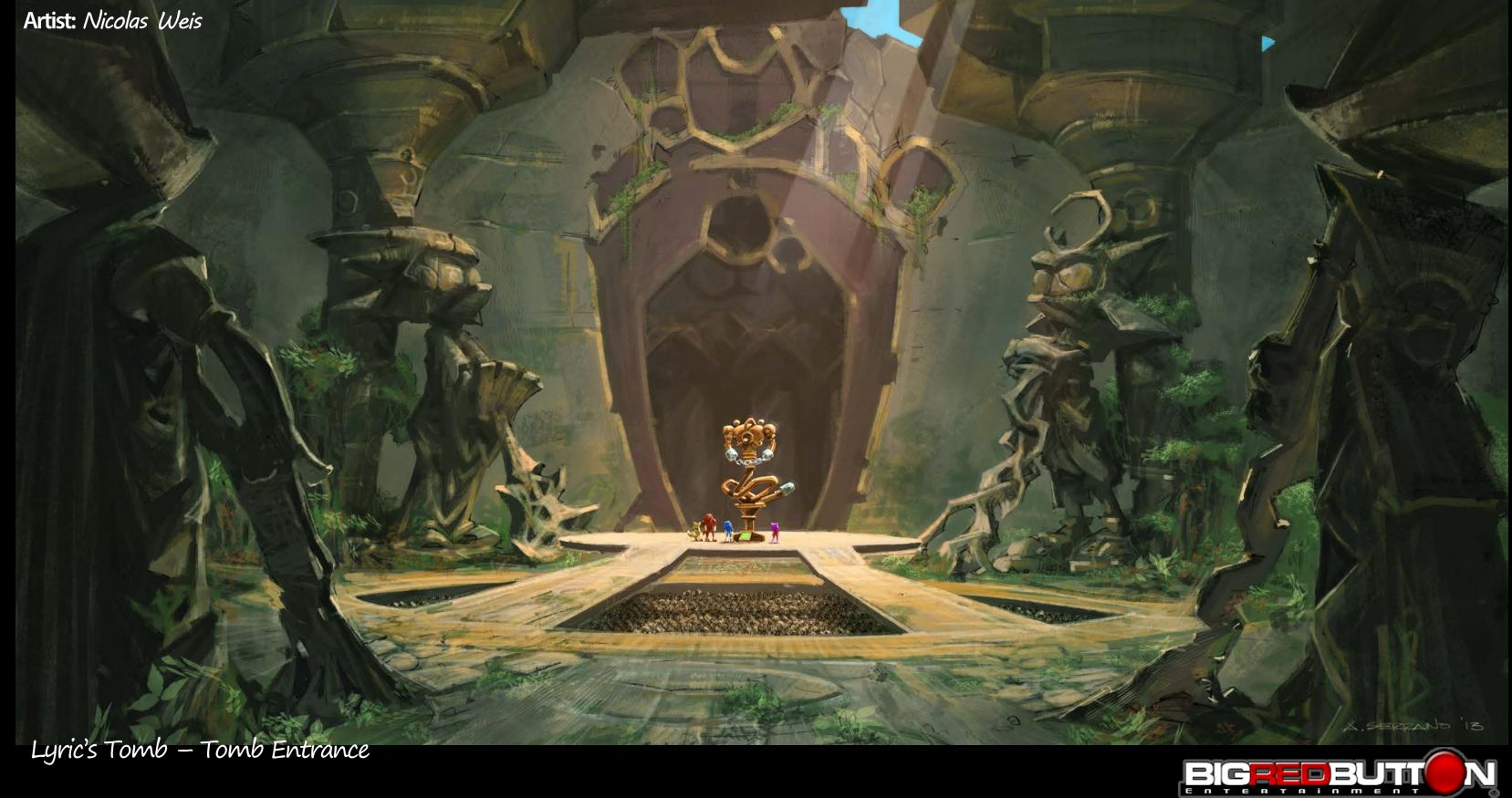
VZ

0

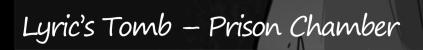
60

E

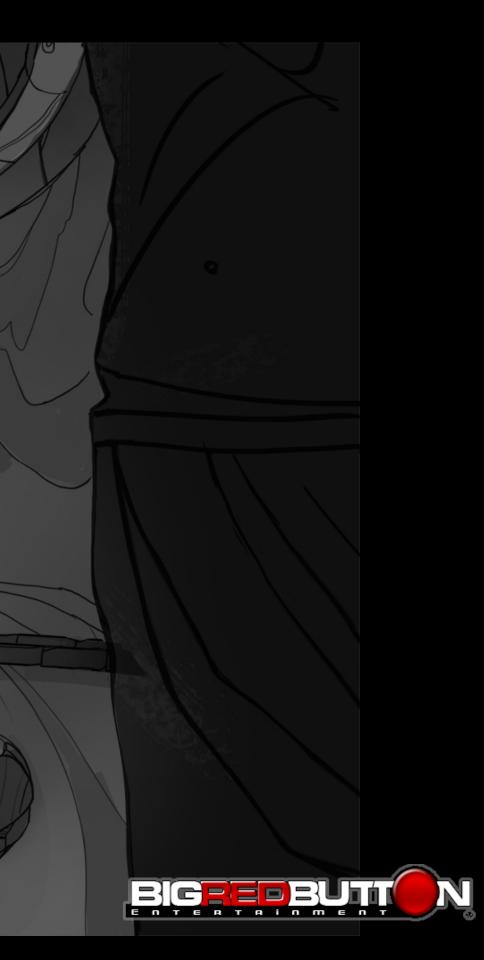
 $\bigcirc$ 

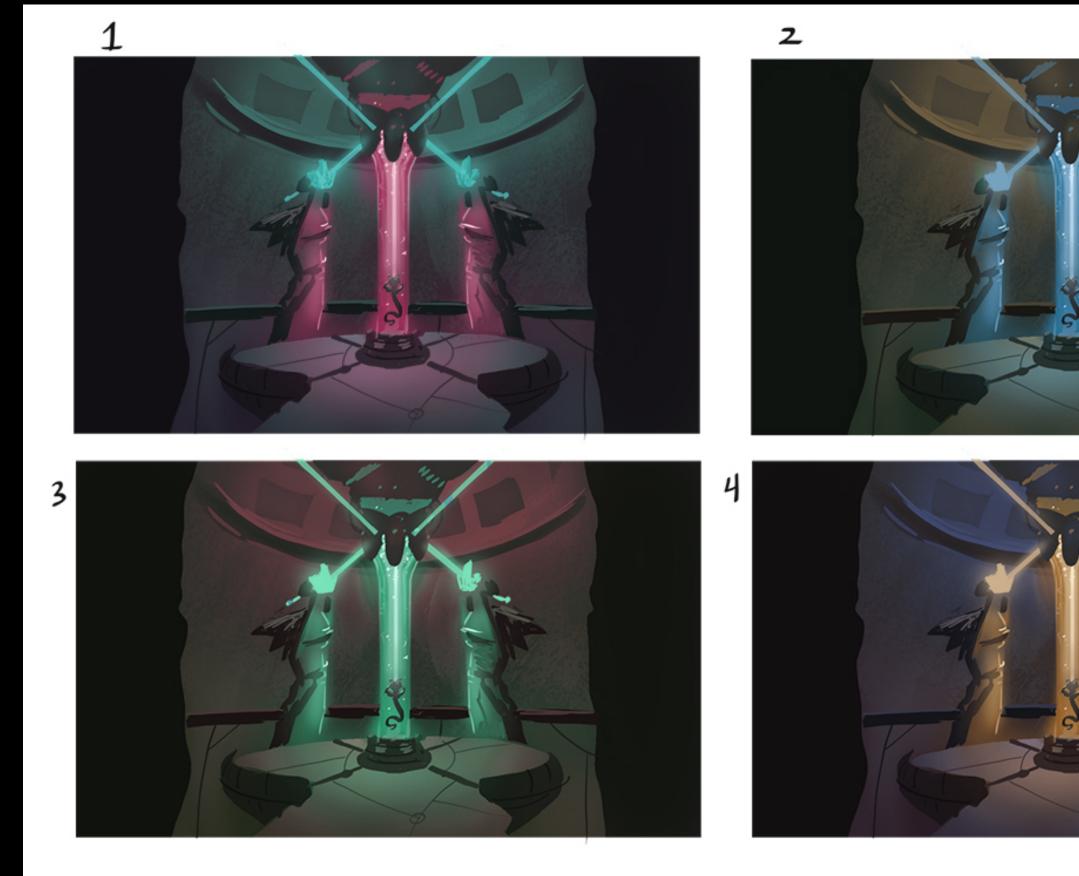


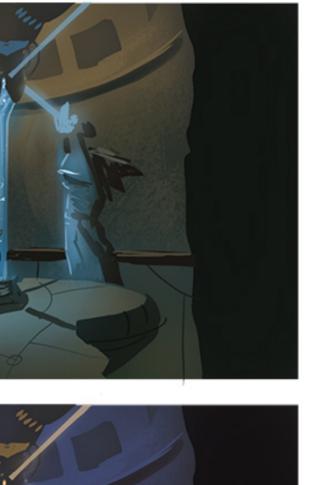




>













Lyric's Tomb – Statue Call-out

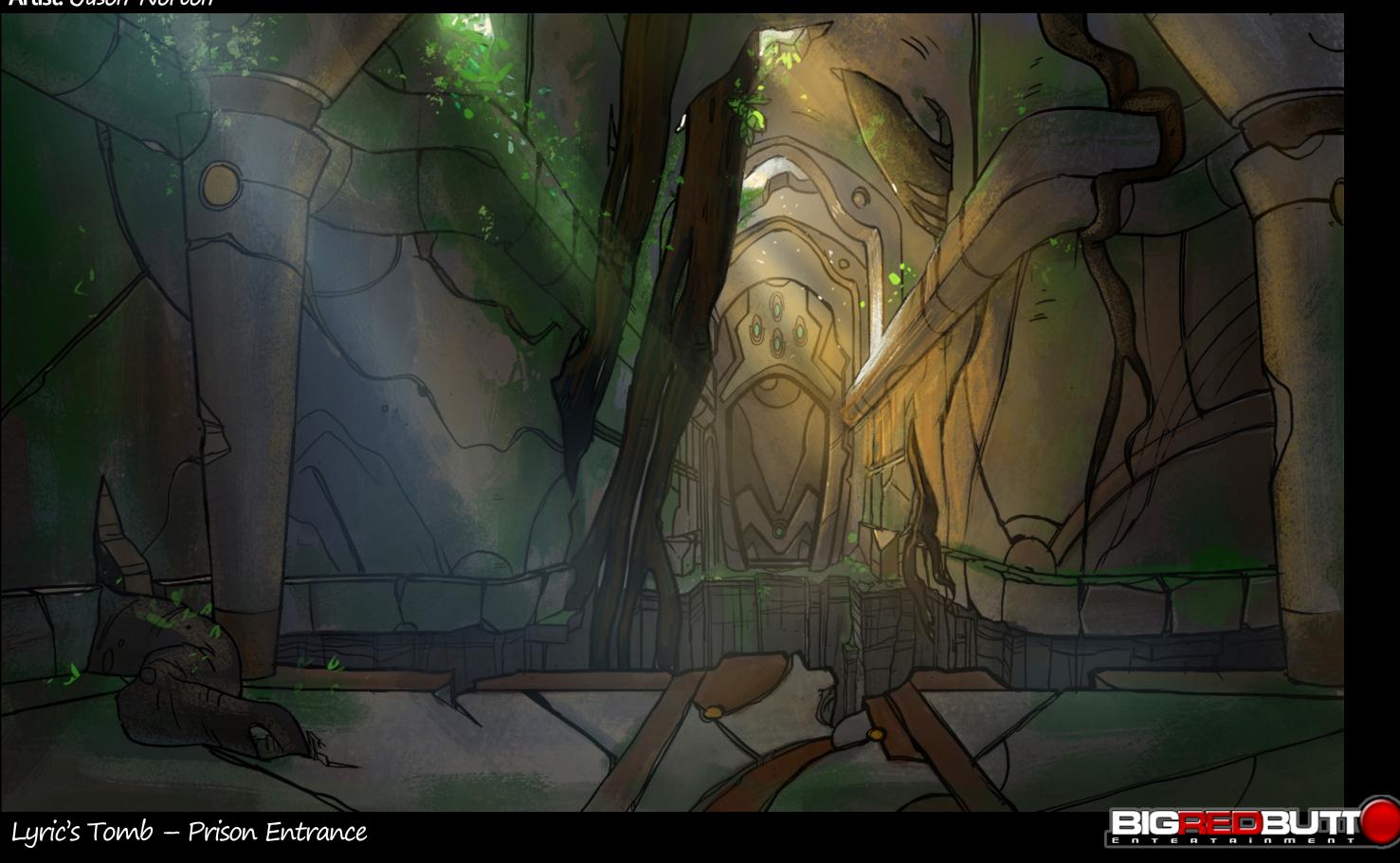


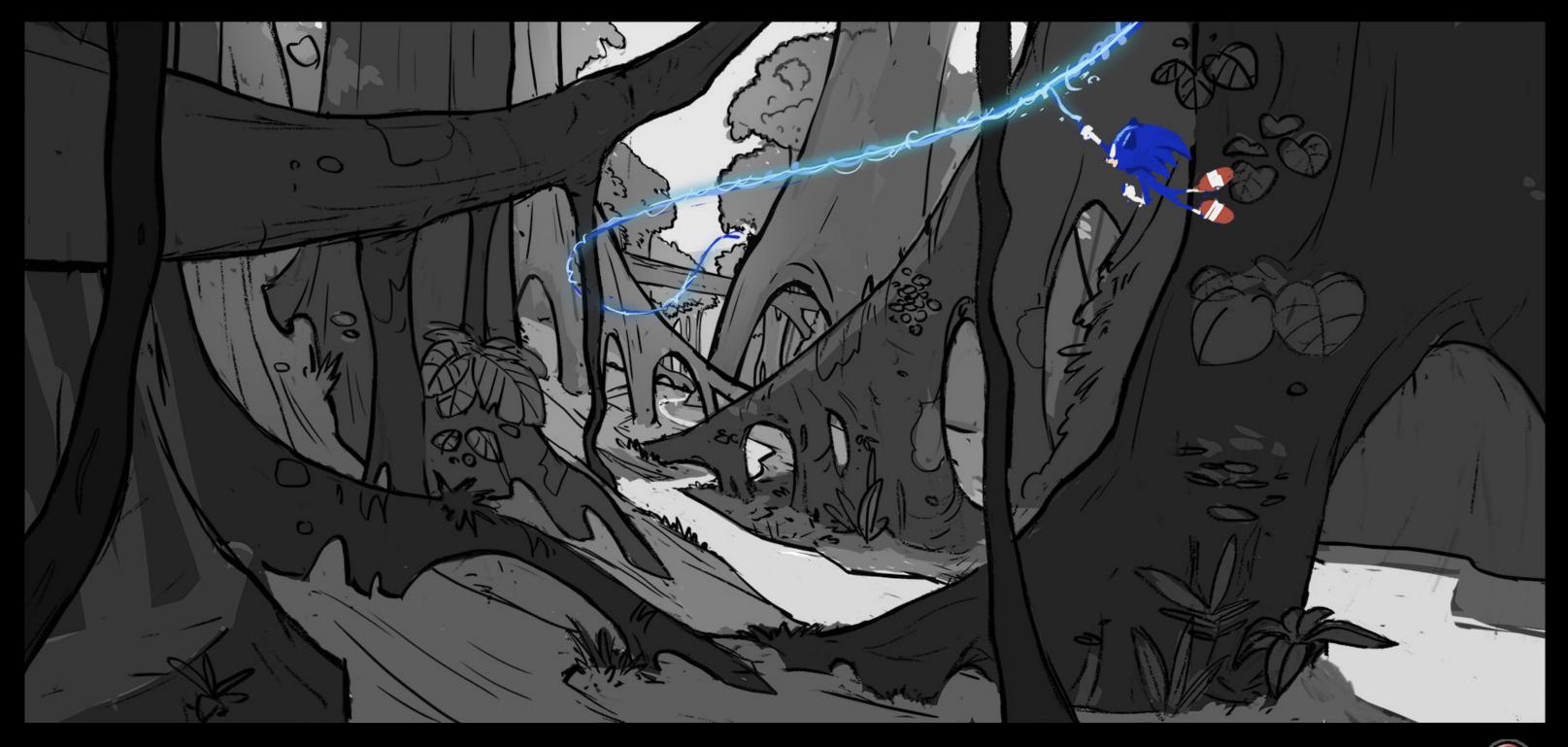


Lyric's Tomb – Beam Machine Off Switch









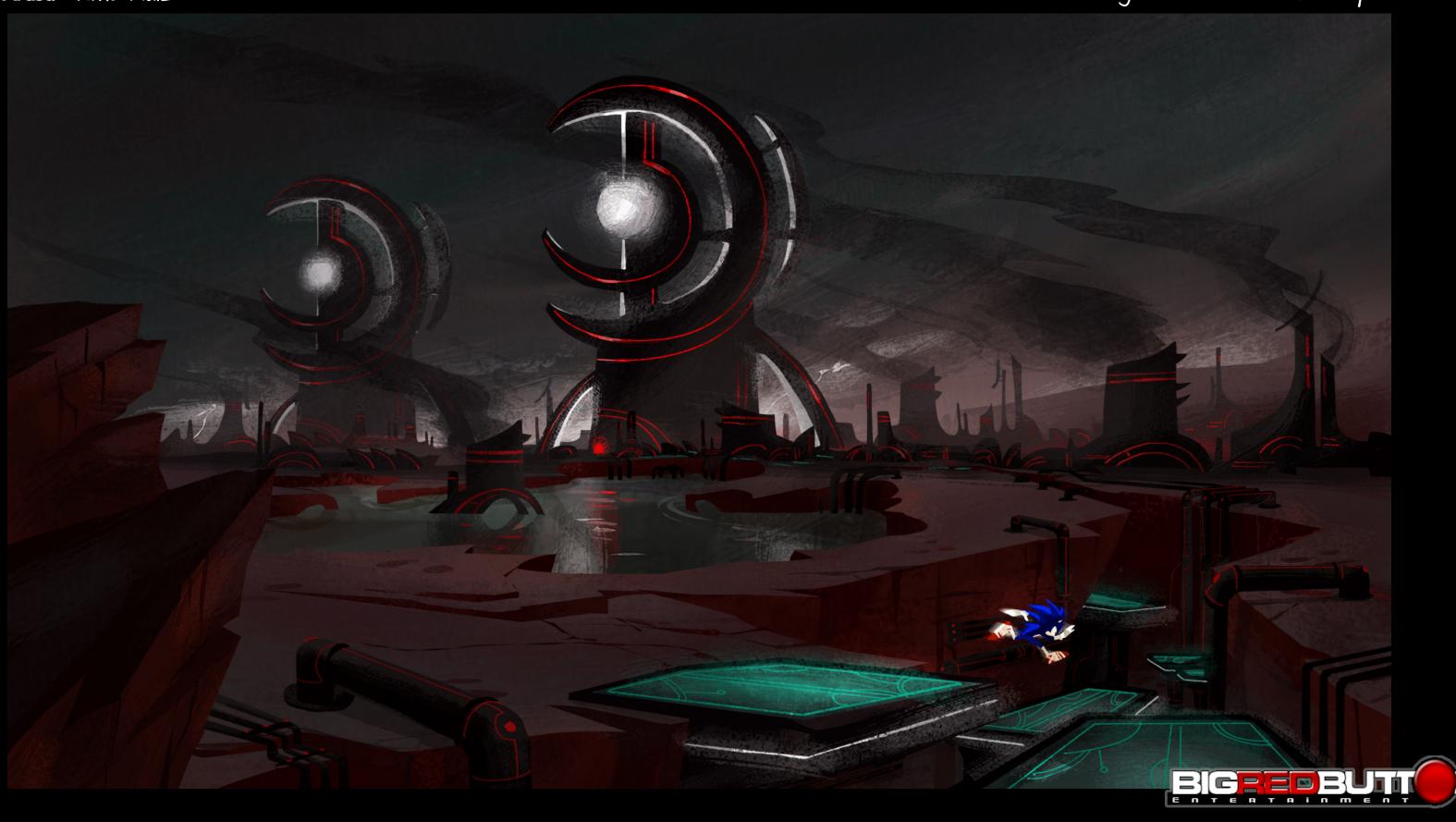
Lyric's Tomb – Bungee Chase



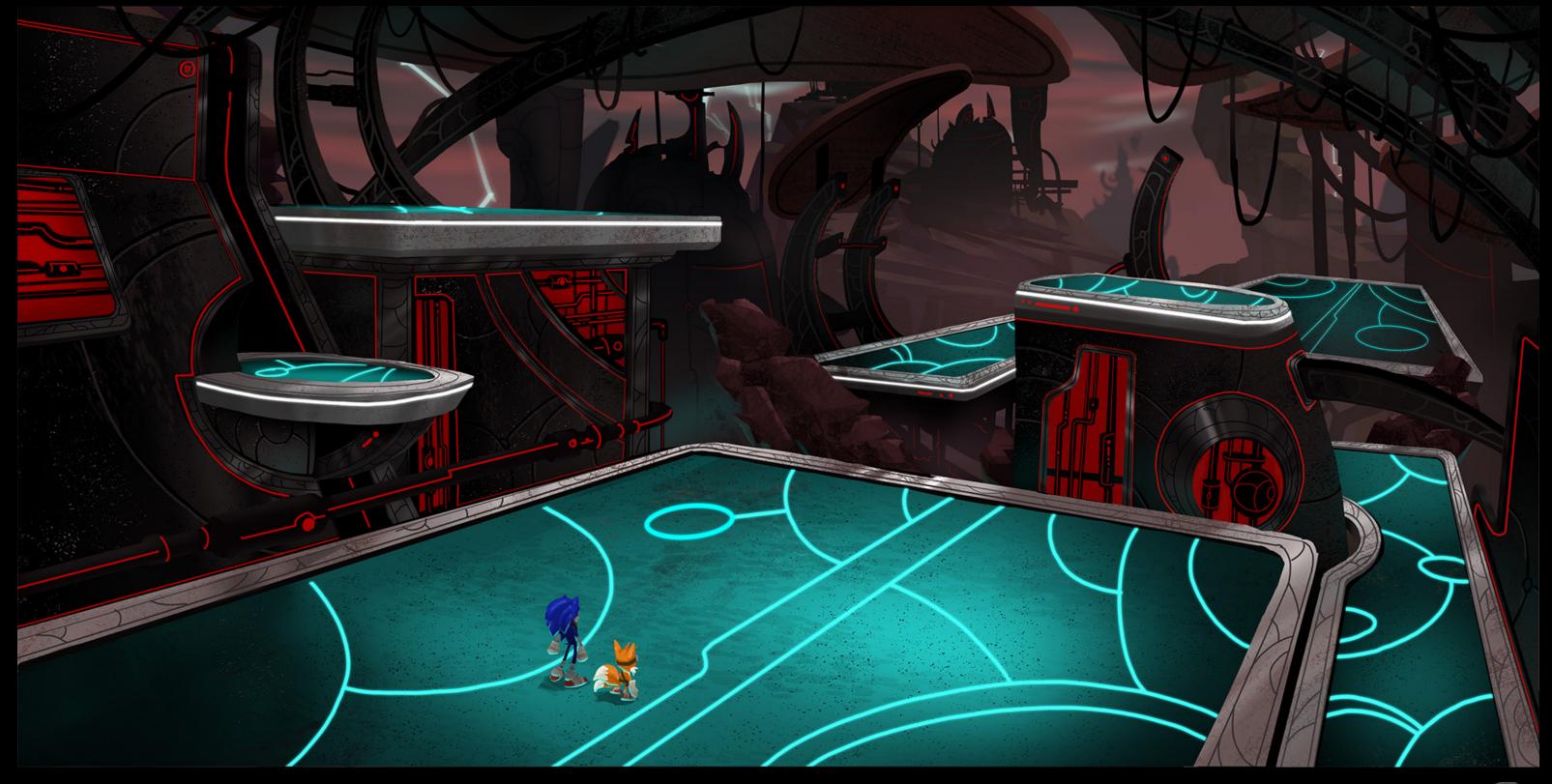


## ENVIRONMENT EXPLORATIONS Lryic's Lair



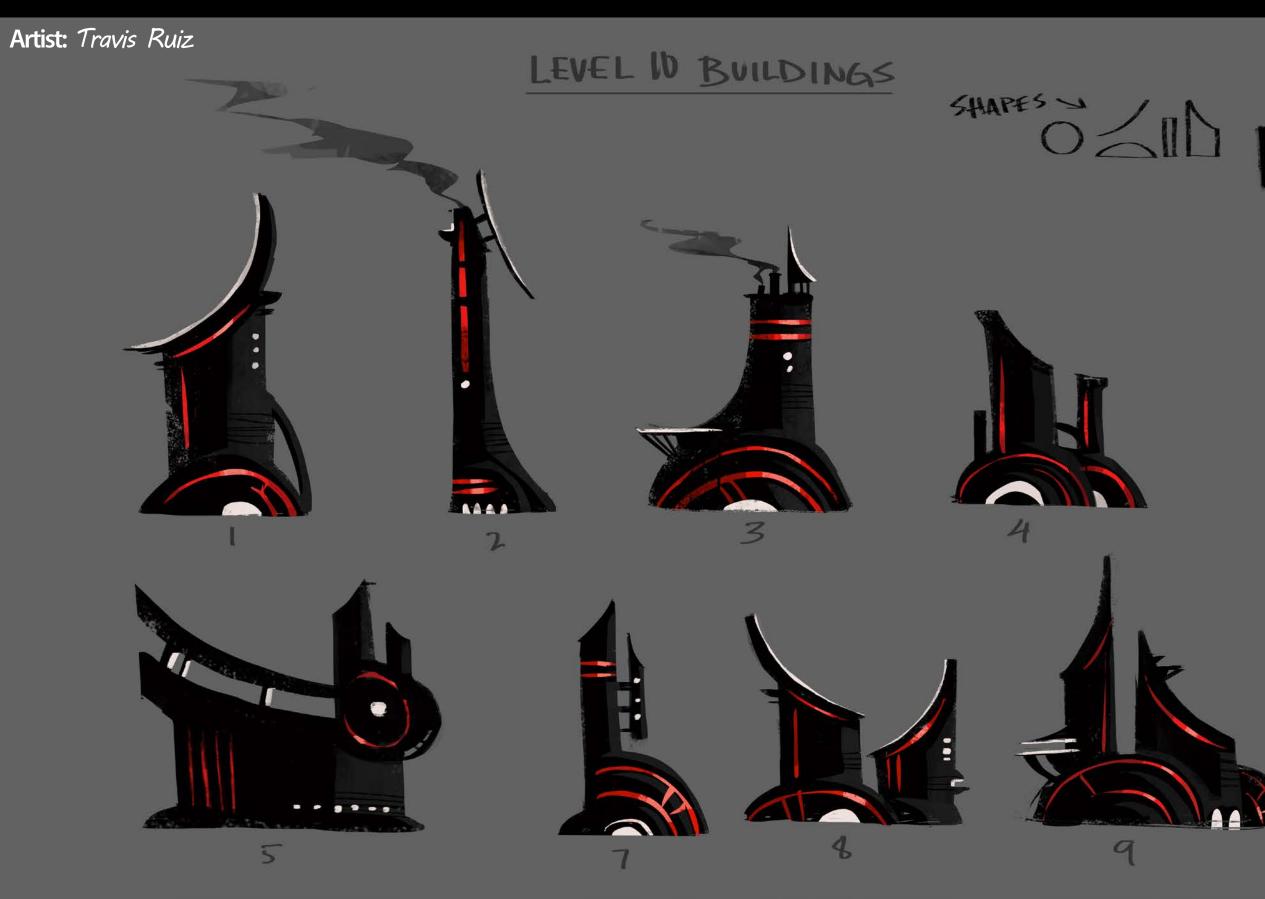


#### Lryic's Lair: Mood Concept



#### Lryic's Lair: Platforms Concept





Lryic's Lair: Building Explorations





#### LEVEL 10 BUILDINGS



Lryic's Lair: Building Explorations





H





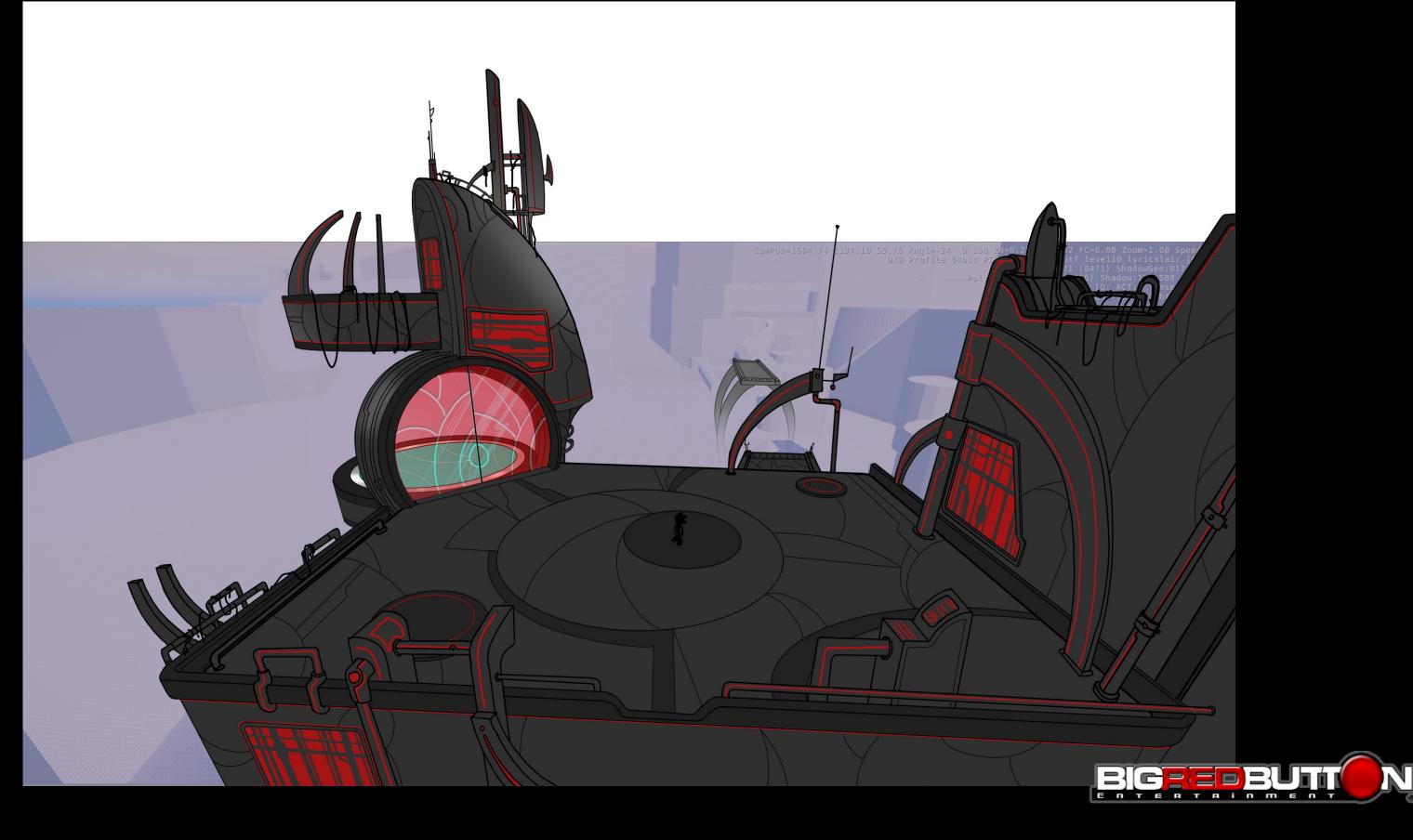
Lryic's Lair: Transforming Platforms

#### Artist: Travis Ruiz



#### Lryic's Lair: Warthog Arena/Power Station Exterior





#### Lryic's Lair: Elevator Concept

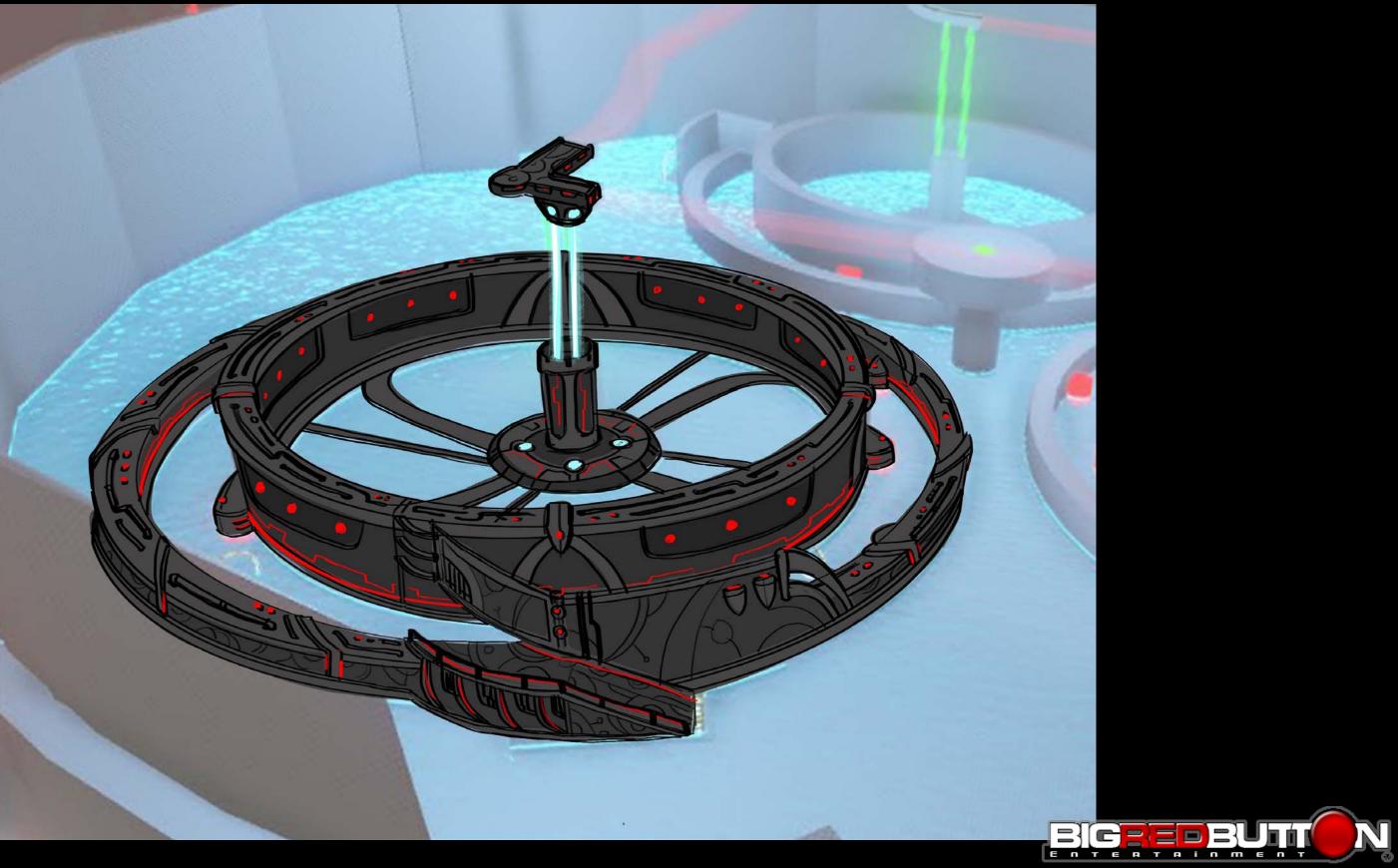


#### Lryic's Lair: Elevator Concept



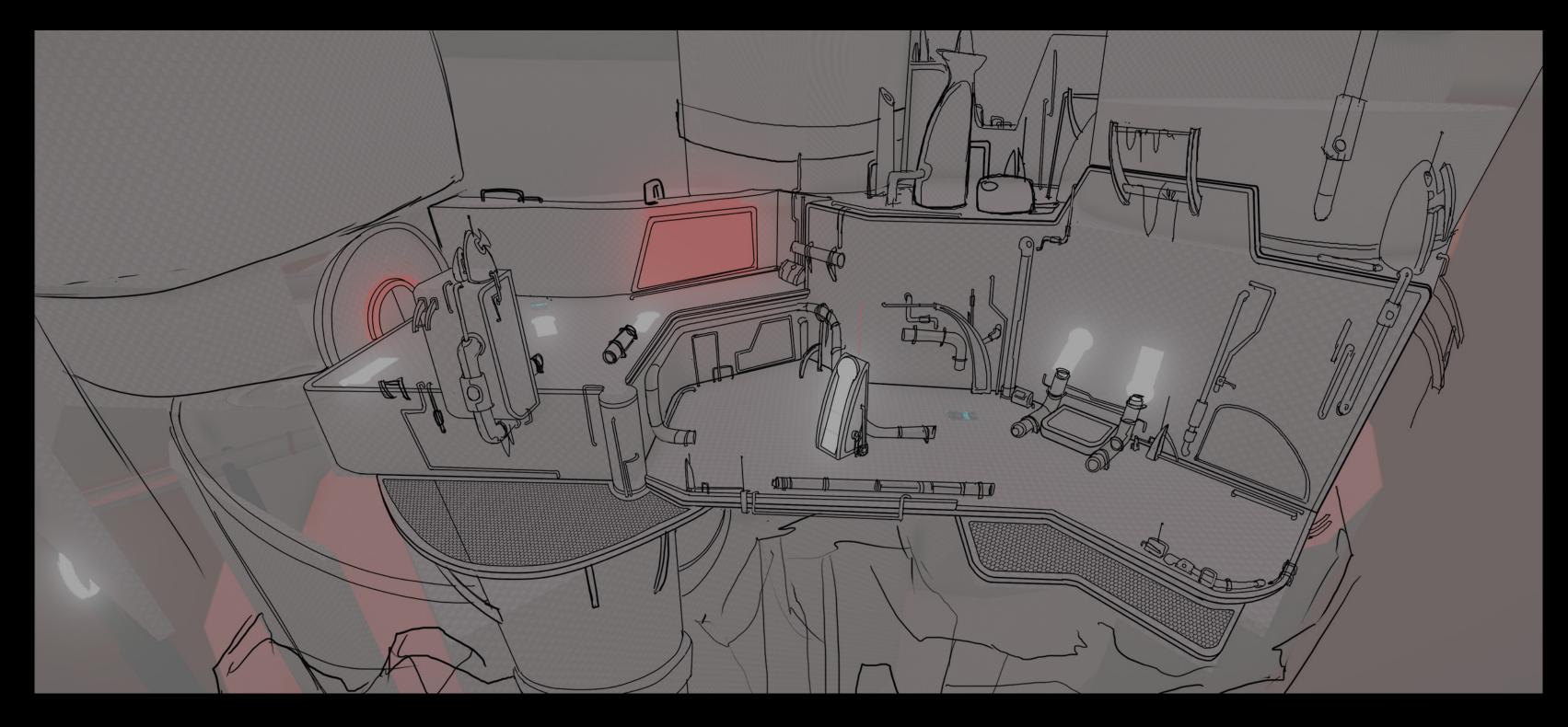
#### Lryic's Lair: Elevator Concept

#### Artist: Travis Ruiz



#### Lryic's Lair: Warthog Area



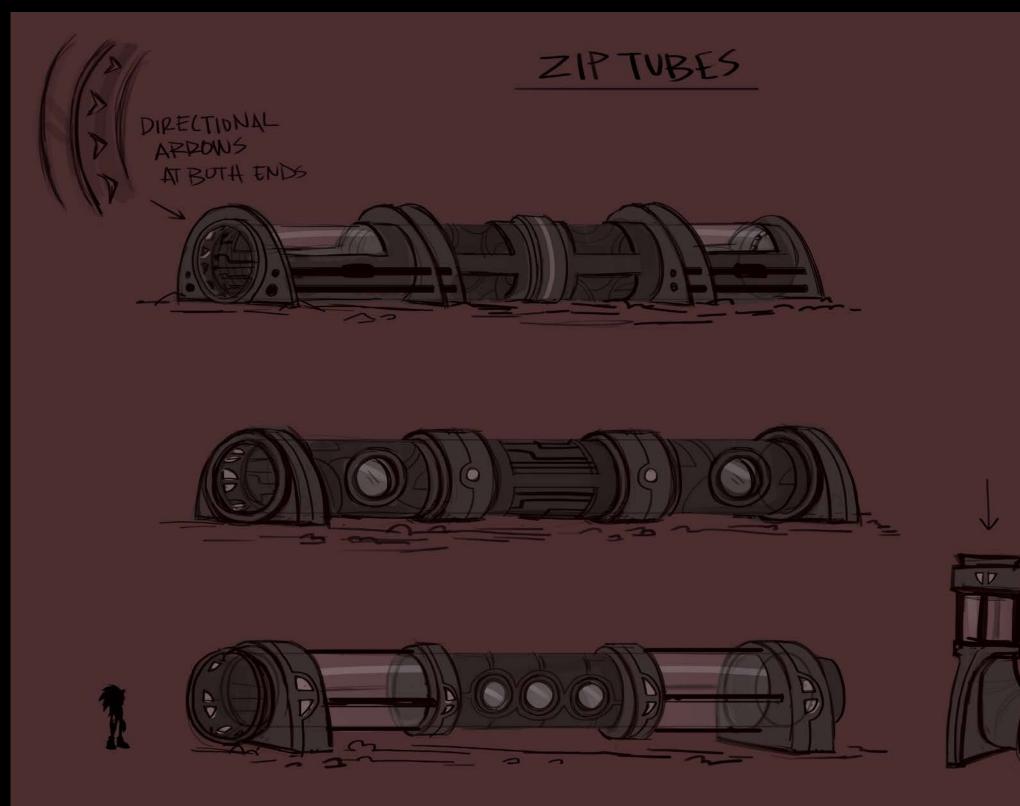


#### Lryic's Lair: Tony Hawk Area



Artist: Travis Ruiz





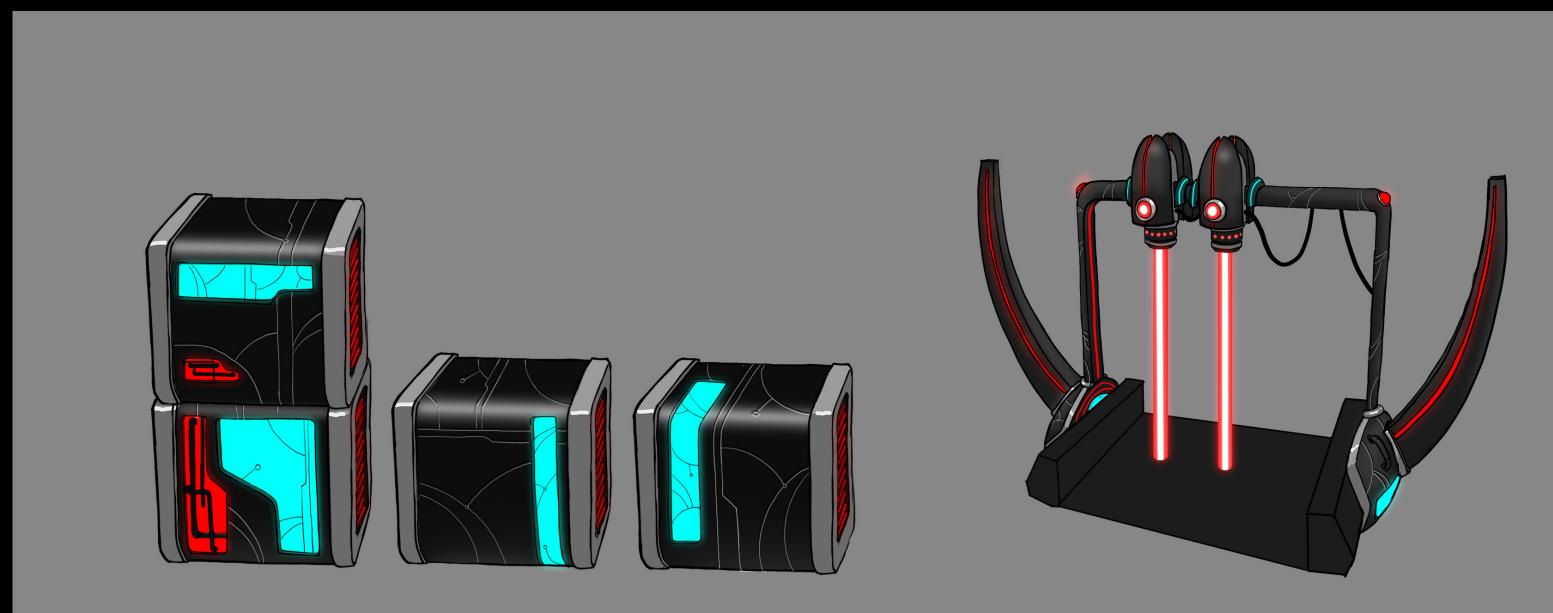
#### Lryic's Lair: Pipes Concept



TAPERED

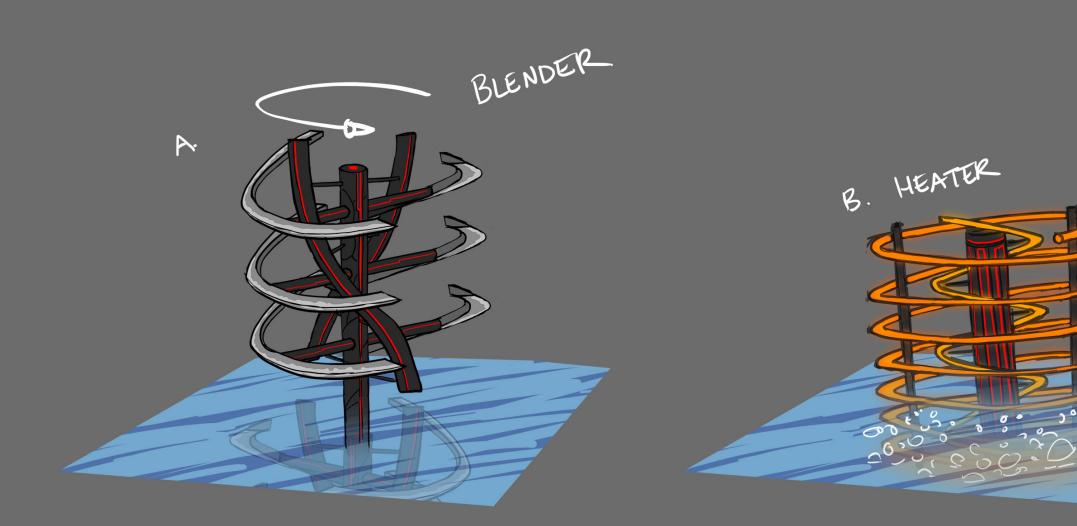
 $\rightarrow$ 





#### L-10 ROAD HAZARDS

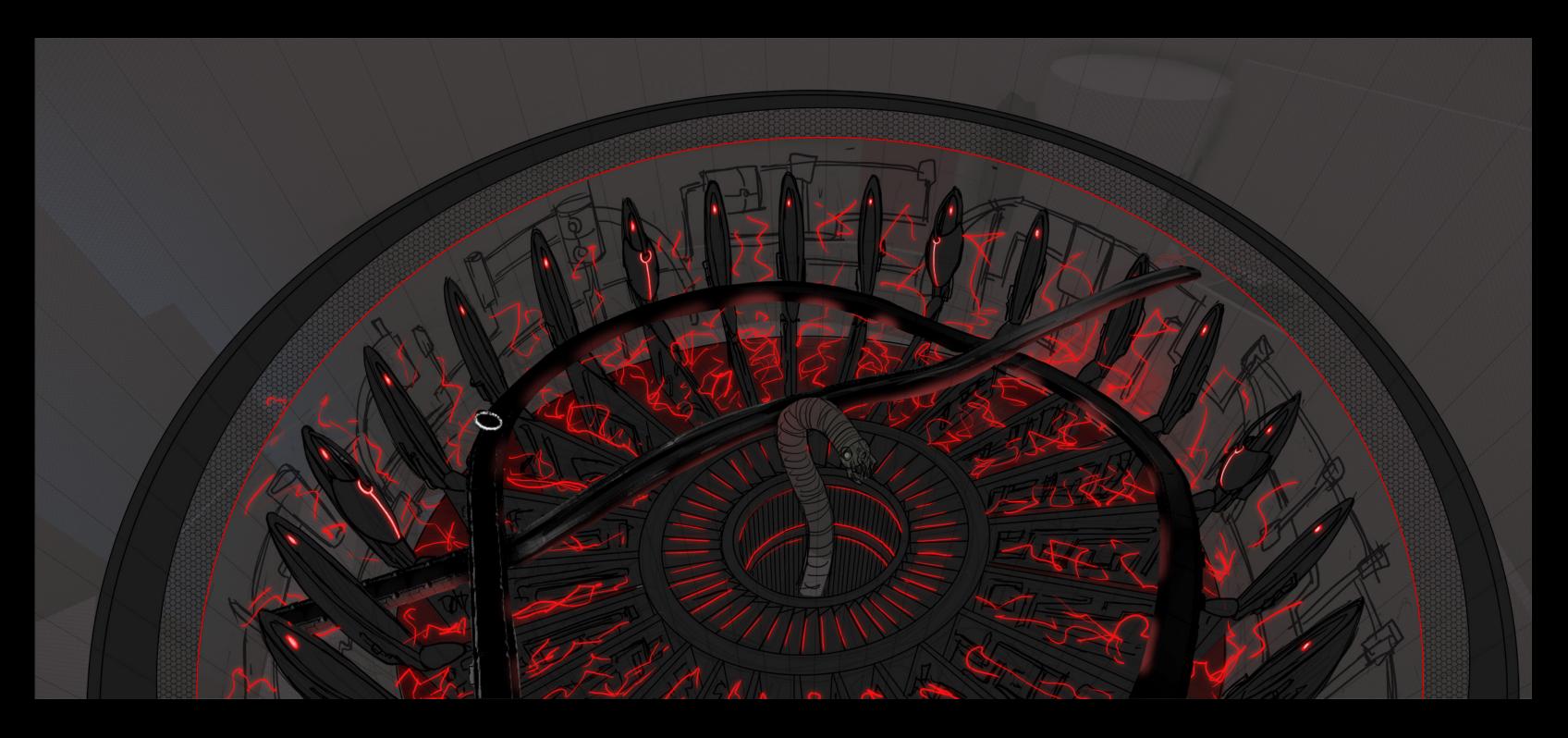






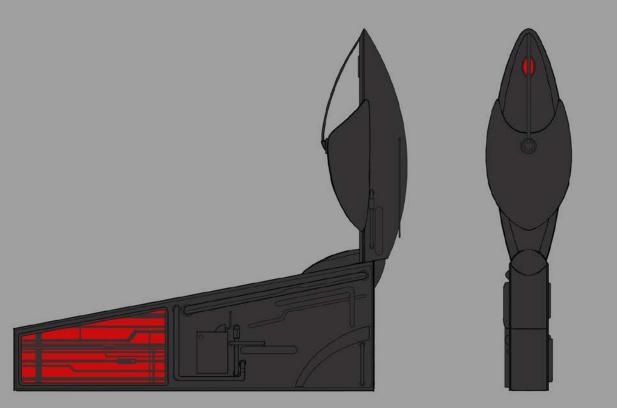
#### L-10 WATER HAZARDS



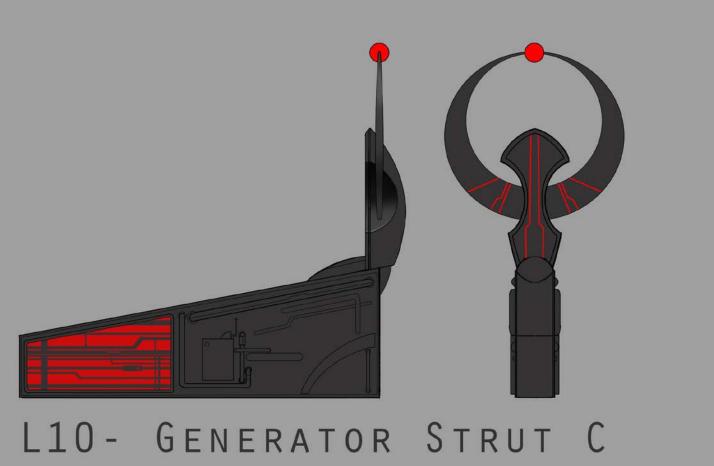


#### Lryic's Lair: Generator Concept





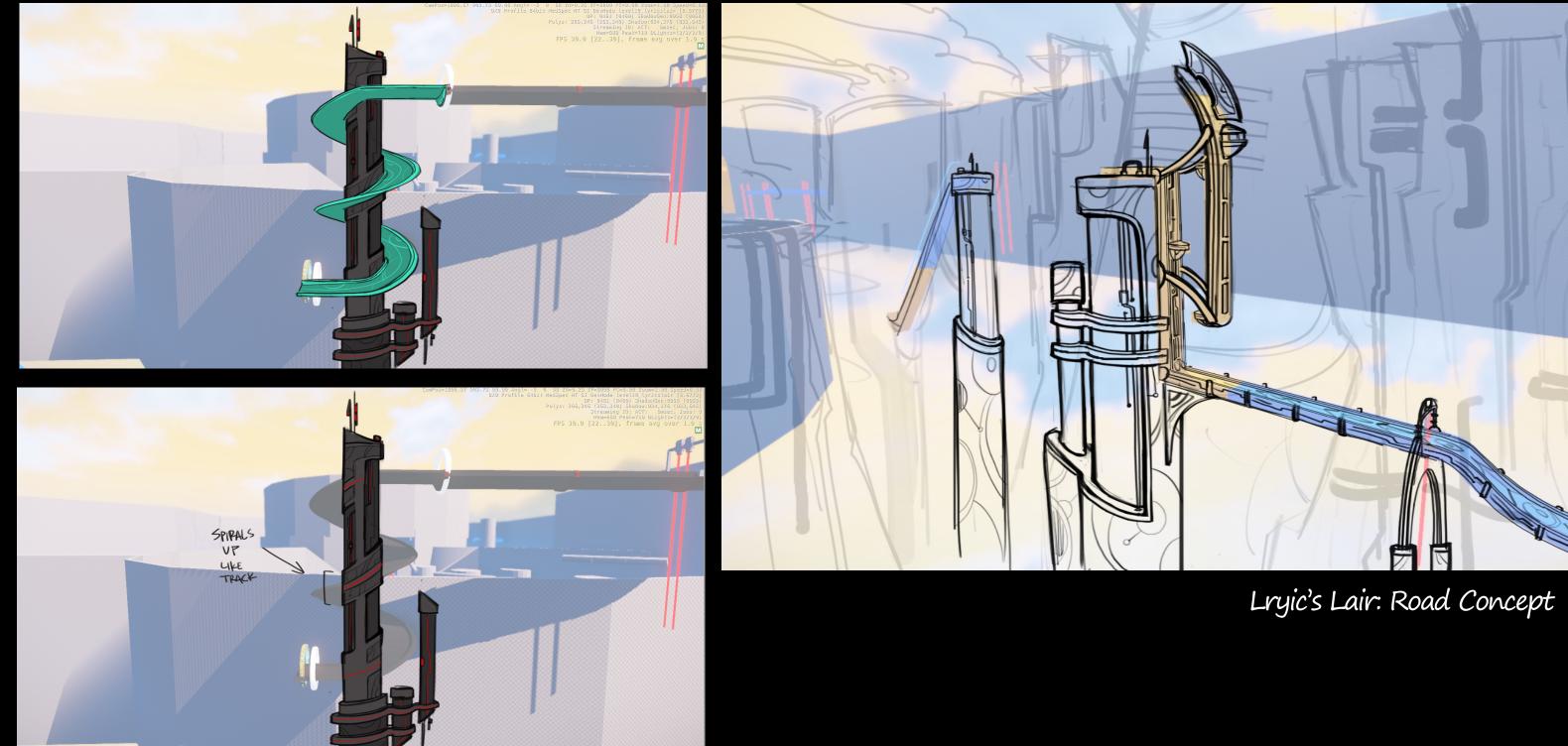
### L10- GENERATOR STRUT B



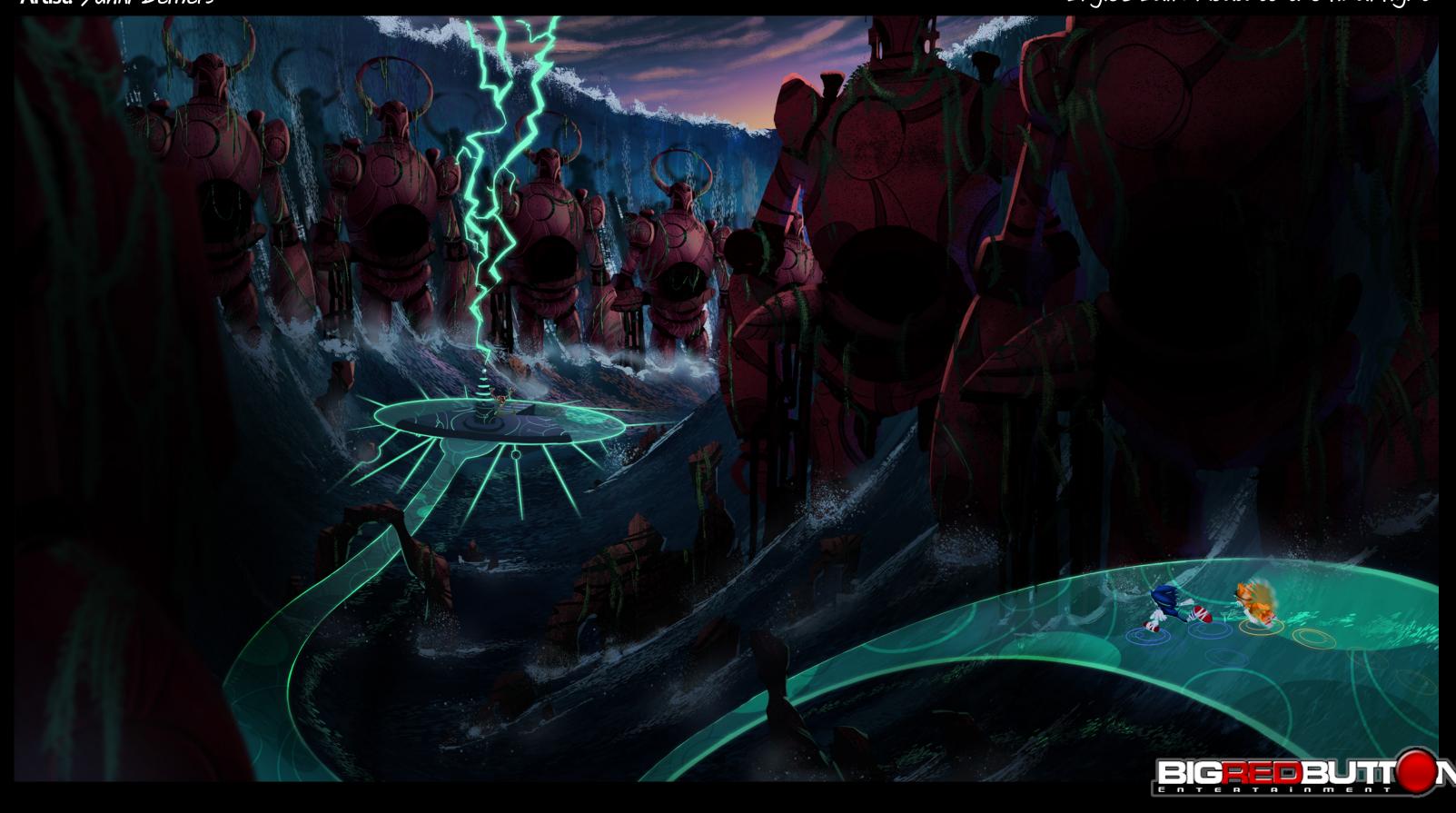
#### Lryic's Lair: Generator Struts



#### Artist: Travis Ruiz







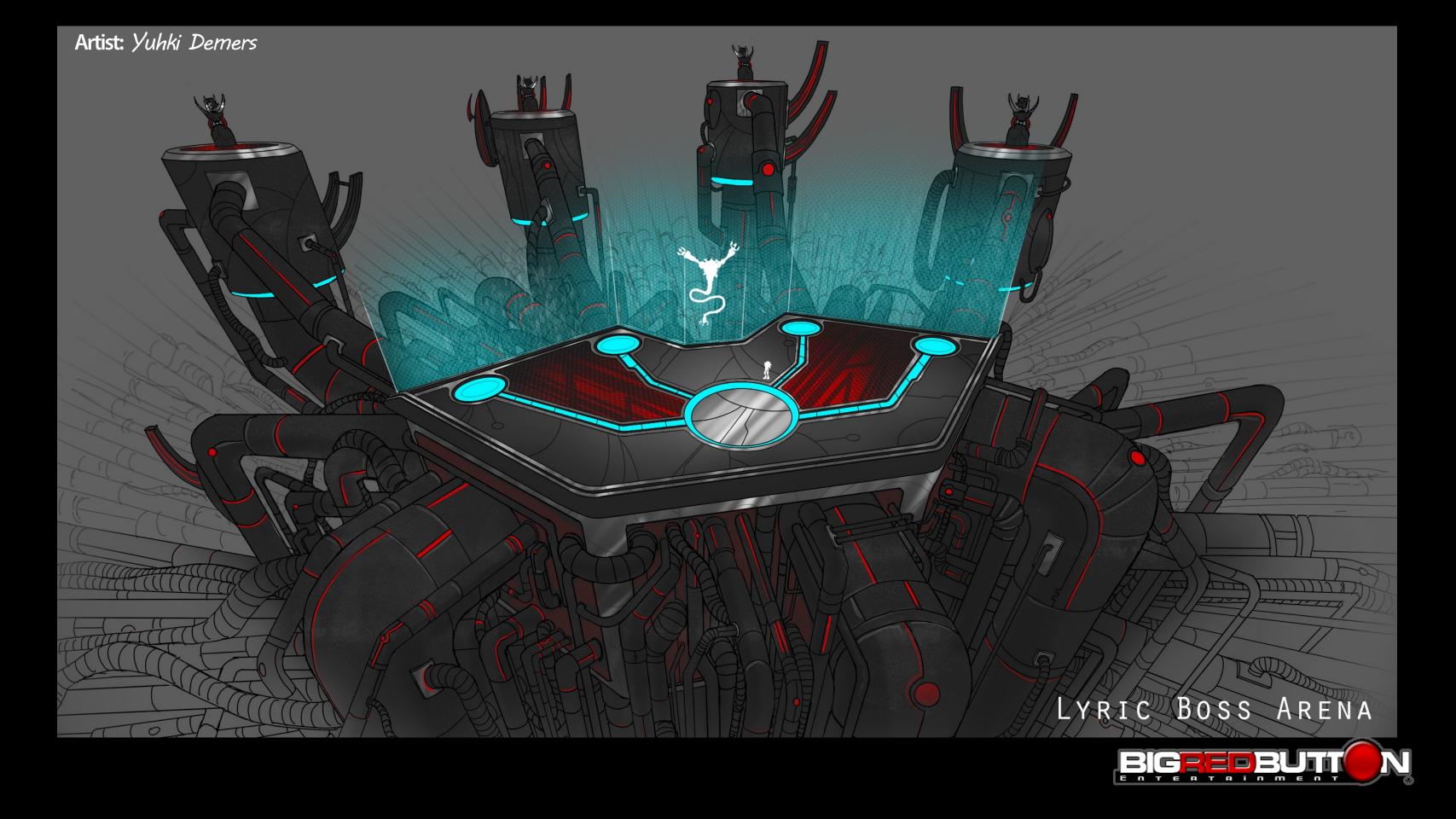
#### Lryic's Lair: Road to the final fight

### Artist: Yuhki Demers



## Lryic's Lair: Lyric Boss Battle Concept



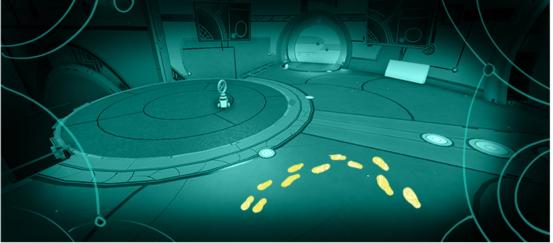


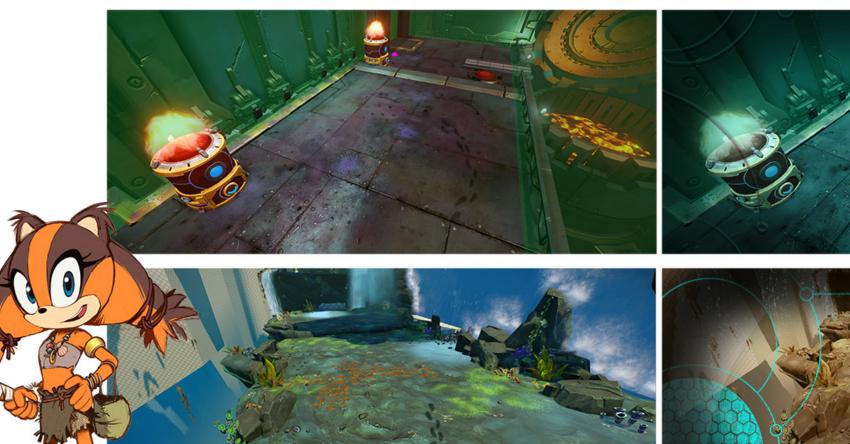




## WITHOUT DRC VISION DRC VISION ACTIVE







STICKS' COLLECTIBLES VISUAL LANGUAGE CONCEPTS 01

Artist: Yuhki Demers



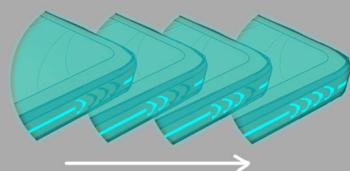




## HORIZONTAL SWIPE PLATFORM

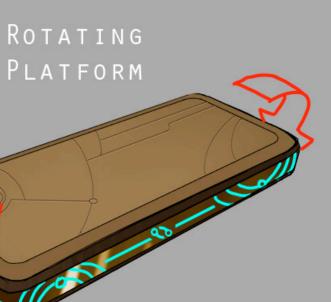


#### DRC VISION

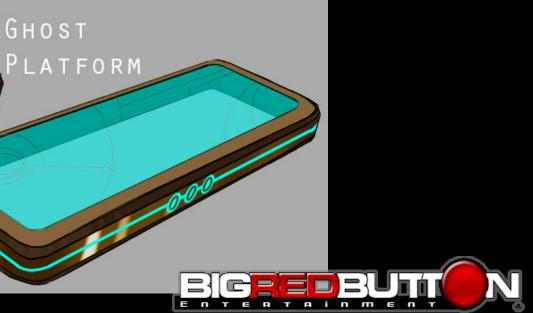


INDICATING CLEARLY

Artist: Yuhki Demers

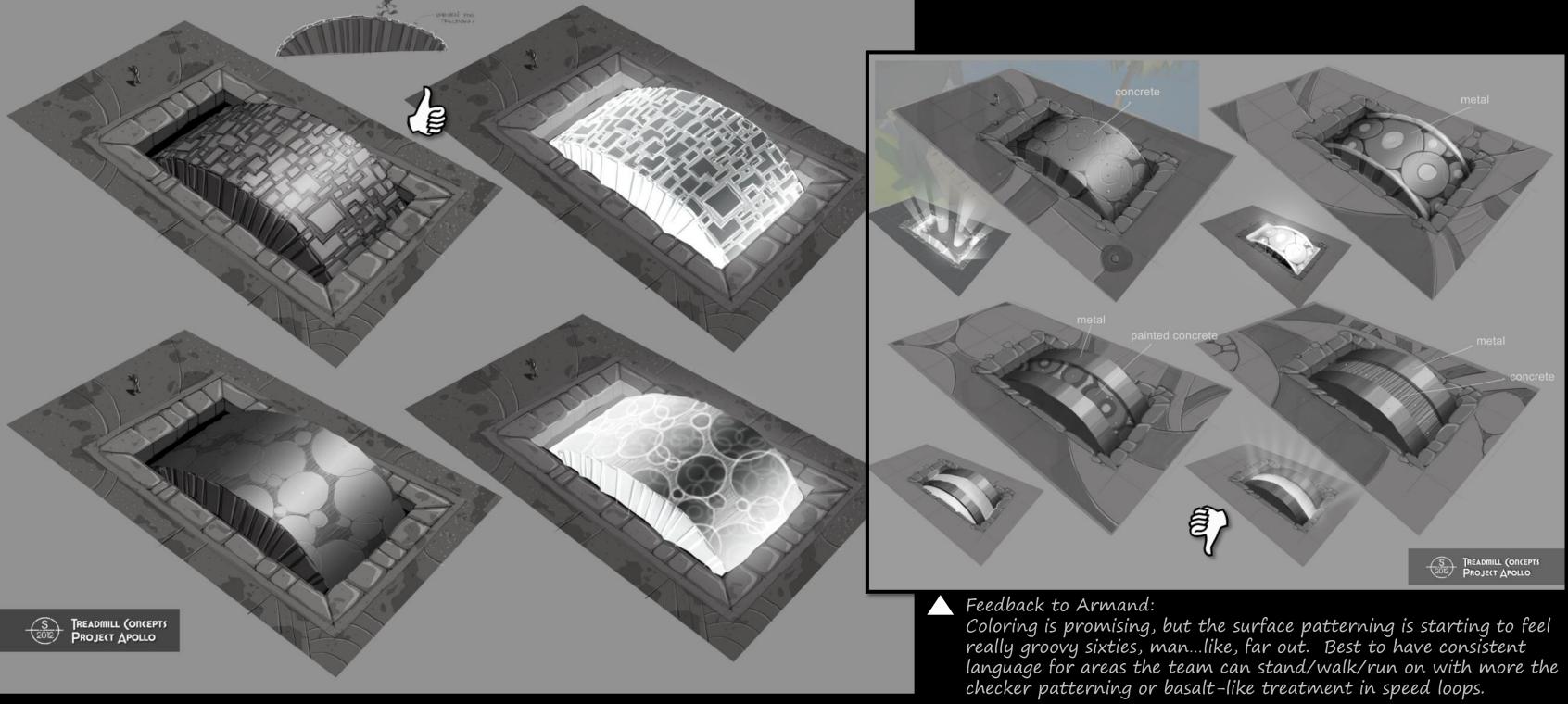


#### SINGULARLY DIRECTIONAL



# DRC UI CONCEPTS









DRAWBRIDGE DESIGN



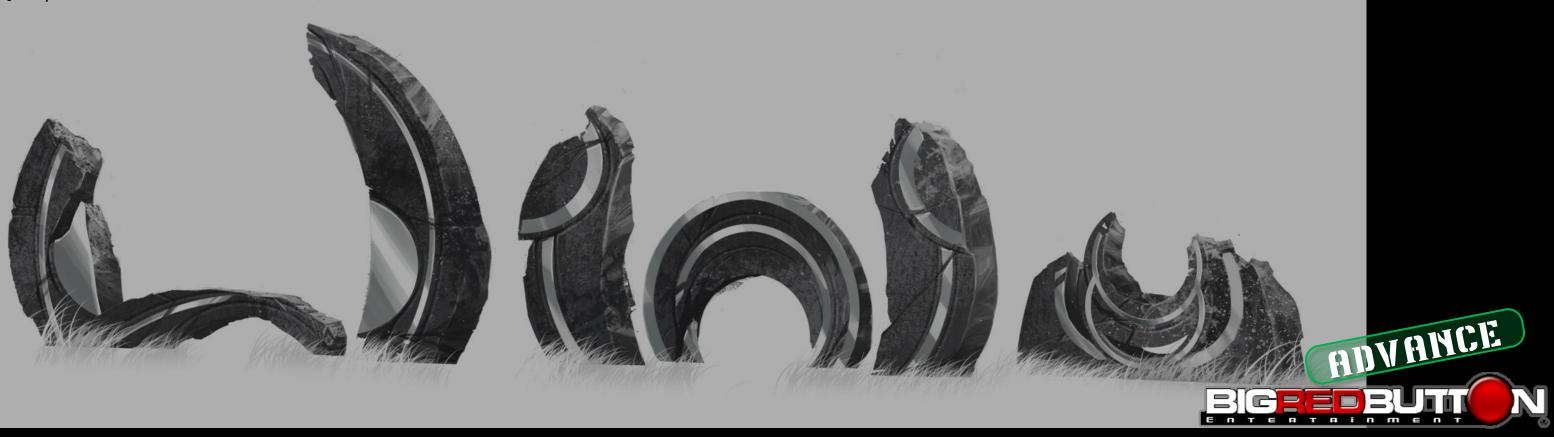
Treadmill activates gate, illuminations turn on linking wheel and gate with glow line



## ANCIENT RUINS (sheet 1 of 2)

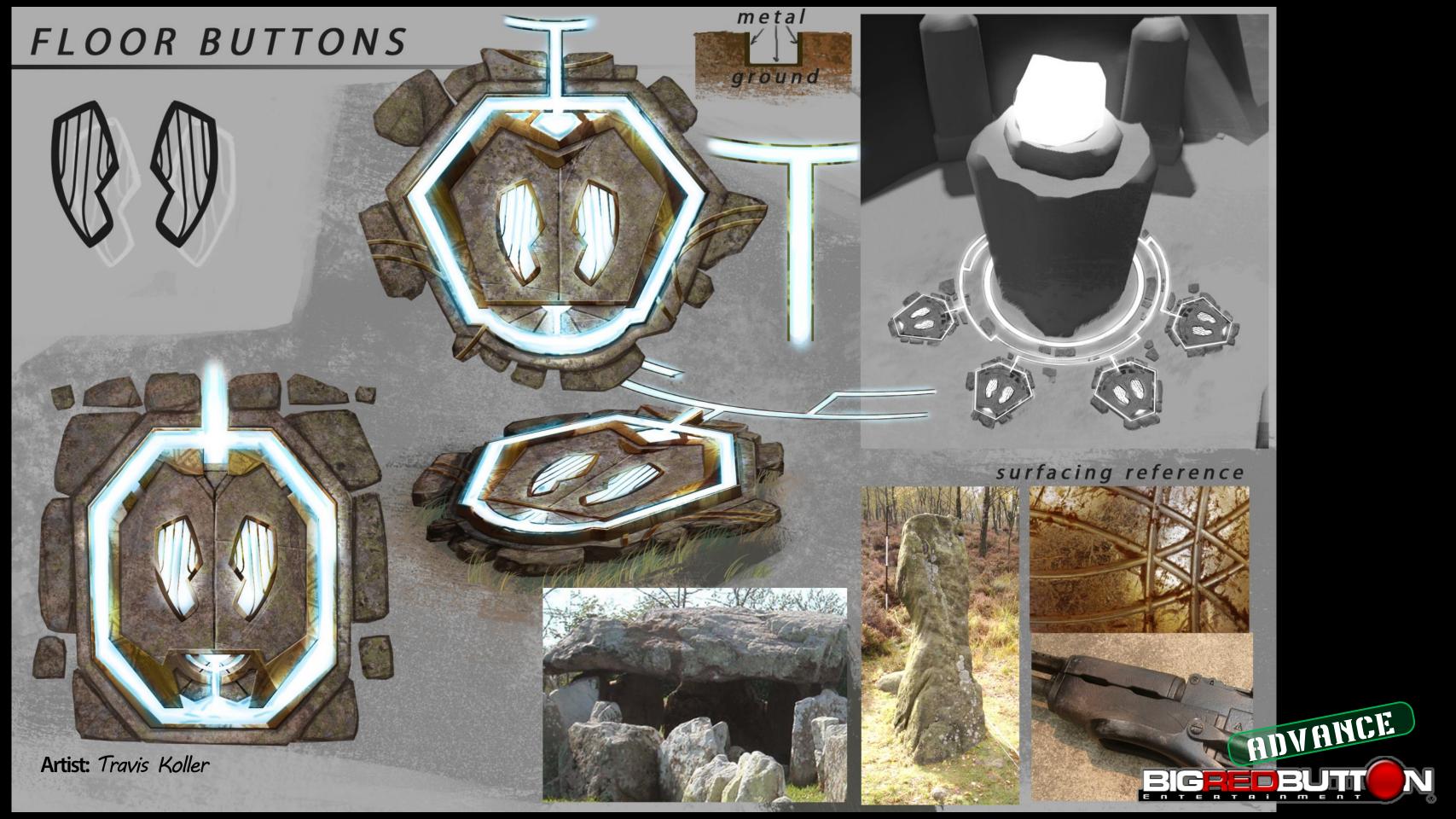


Bottom row allows rails to stop momentum but will allow jump over if desired.



## Artist: Travis Koller

Made of stone with metallic trim



## BOOST GATE

#### front

•

#### cross section









## **Boost Gates**

Final designs

#### surfacing reference



ADVANCE

## ELEVATORS

#### without vegitation

surfacing reference

Artist: Travis Koller



## Elevators

Final designs.

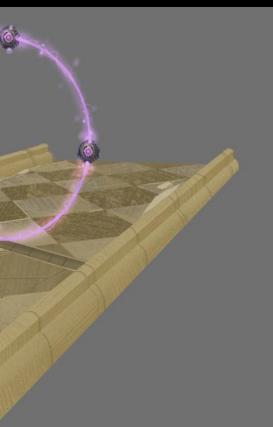


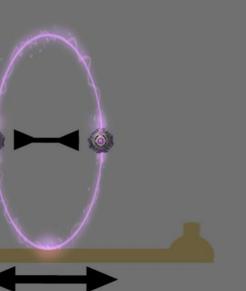
## SPEED TRACK SWITCHES(CIRCULAR)

Artist: Travis Koller

3 ball version

floating balls can get closer and further apart to make it a challenge. The whole circle could move on the lower track as well.





## Speed Track Switches

Final designs.









Knuckles Wall Project Apollo

## Knuckles Wall Climb Surface



First pass model proved to be difficult to read under poor lighting conditions.

ADVANCE

=}

Entertainmen

17

214

D



• TEXTURE IS MUCH FINER. • PALETTE IS DARKER THAN KNUCKLES WITH LIGHTEN BORDER.



KNUCKLES WALL DESIGN



## Knuckles Wall Climb Surface

Alternates.

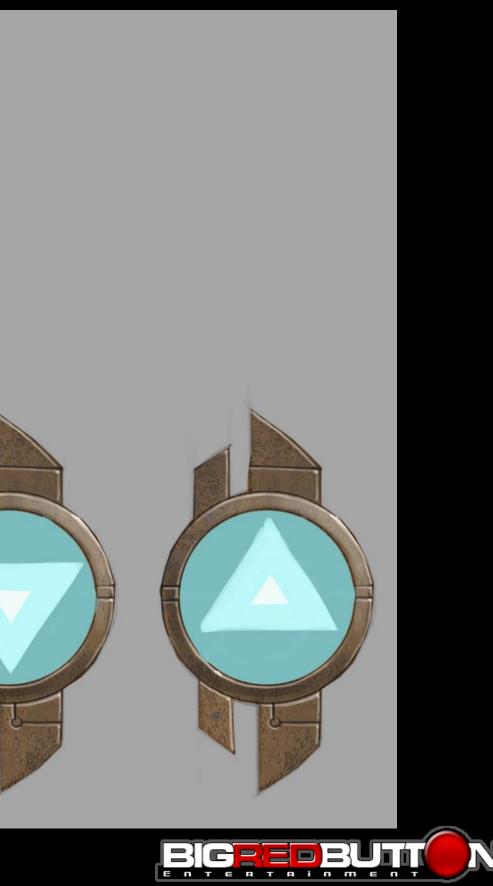


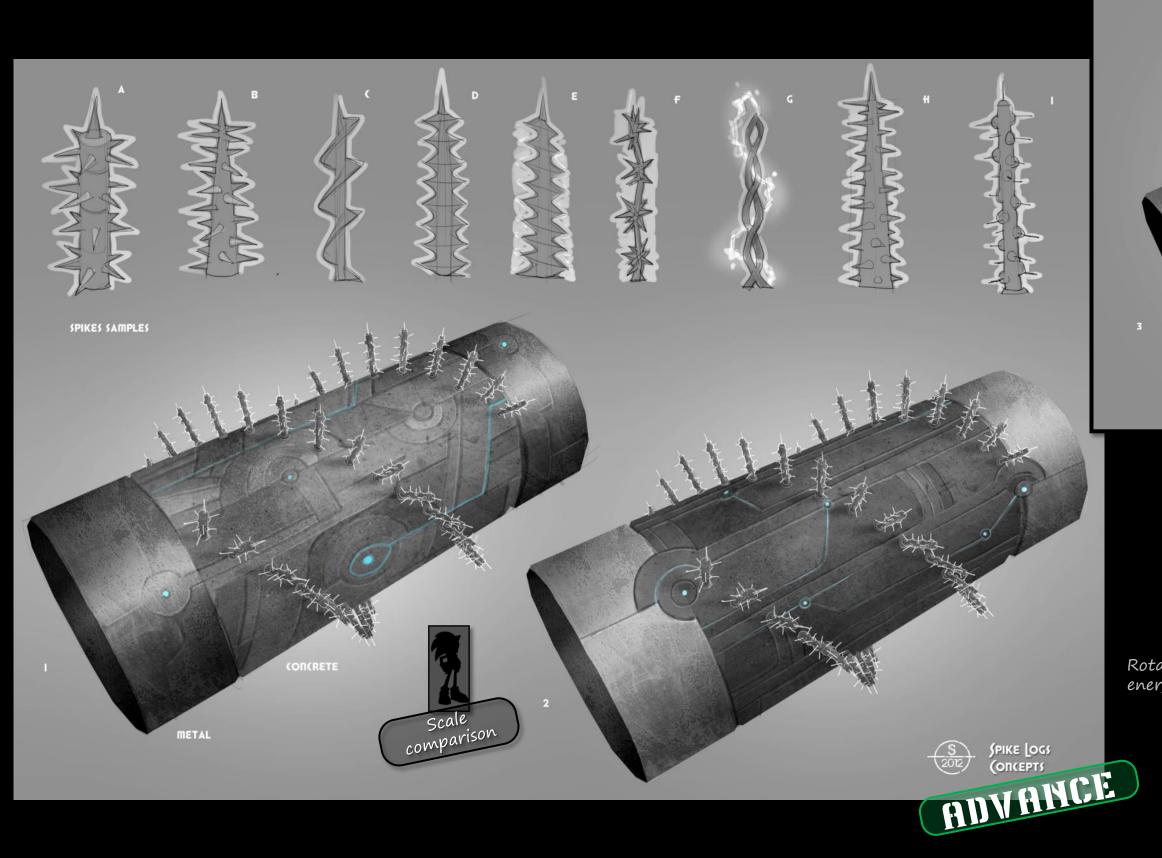


Wall Targets are more differentiated from the Anchor Pads by a diamond, triangle, or some other shape in the center.

CUT

## Target Pads





## Spike Log



Rotating platform with deadly obstacle spikes, preferably energy based rather than traditional blade based spikes



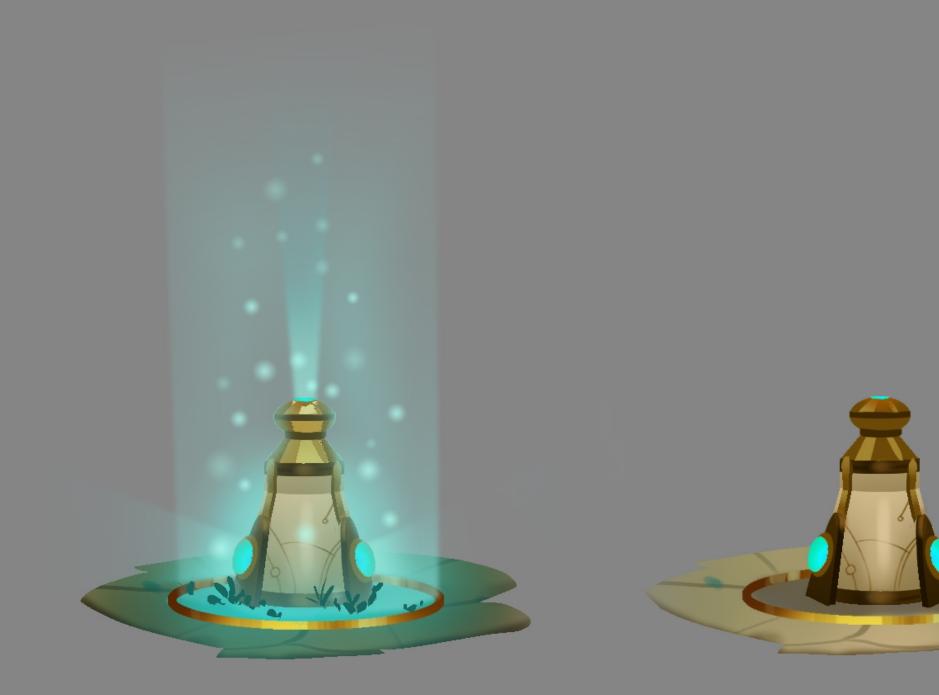






### Artist: Travis Ruiz

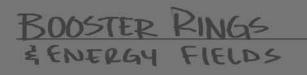


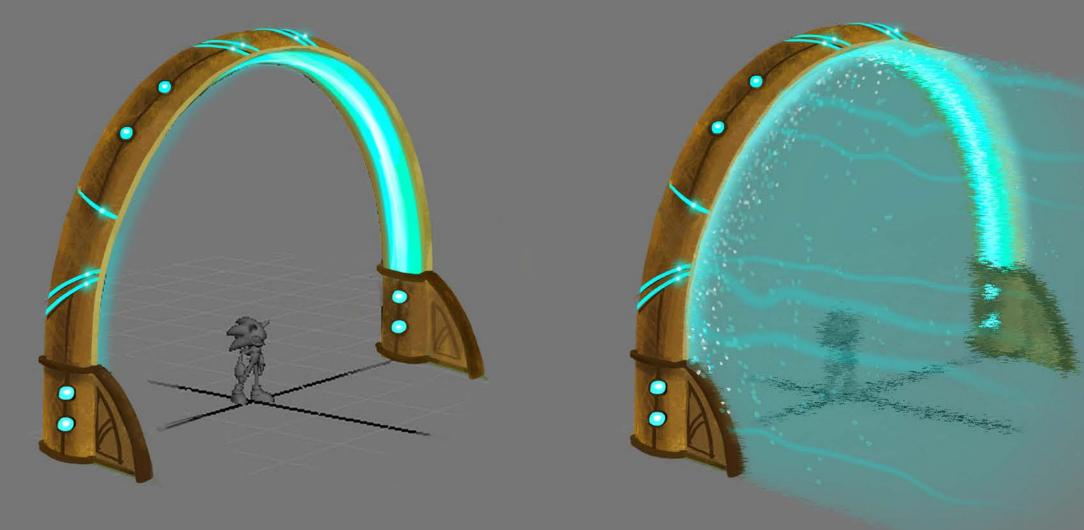


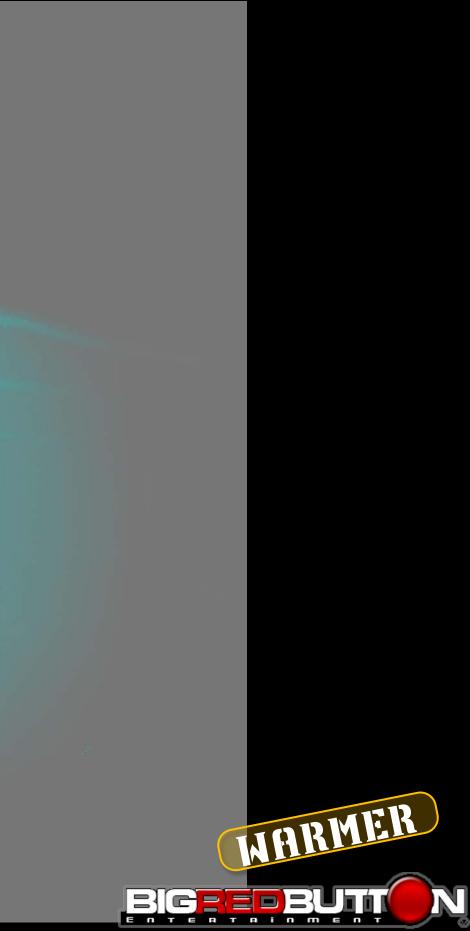
## Checkpoint Concept

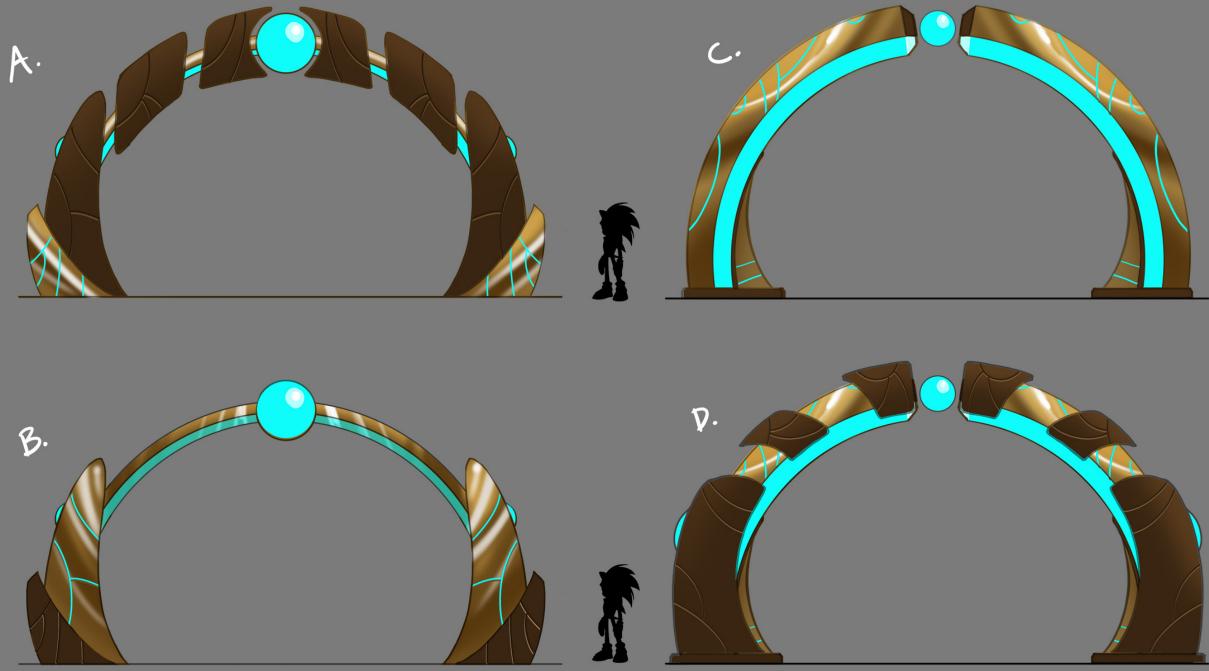


Artist: Travis Ruiz

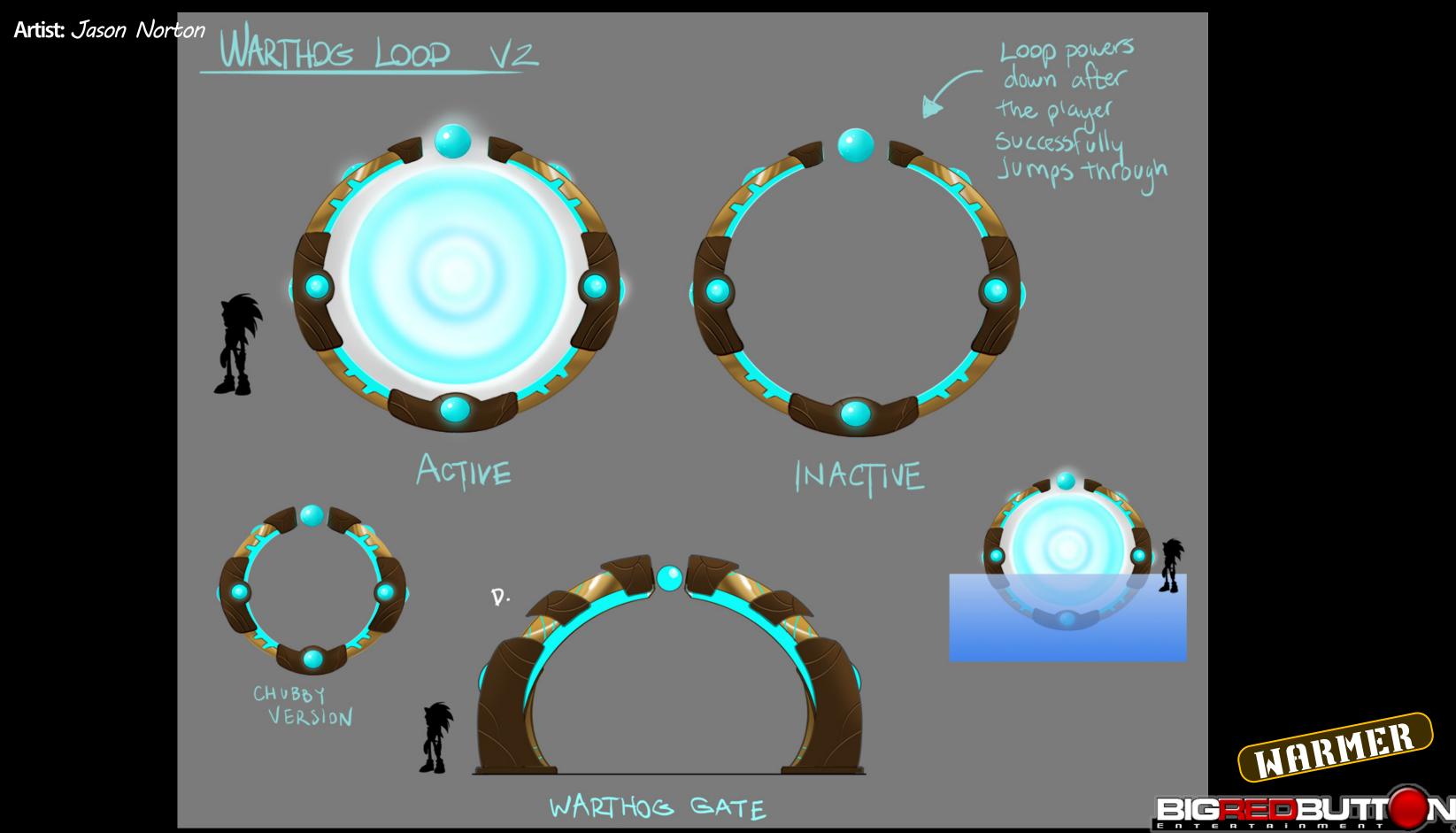


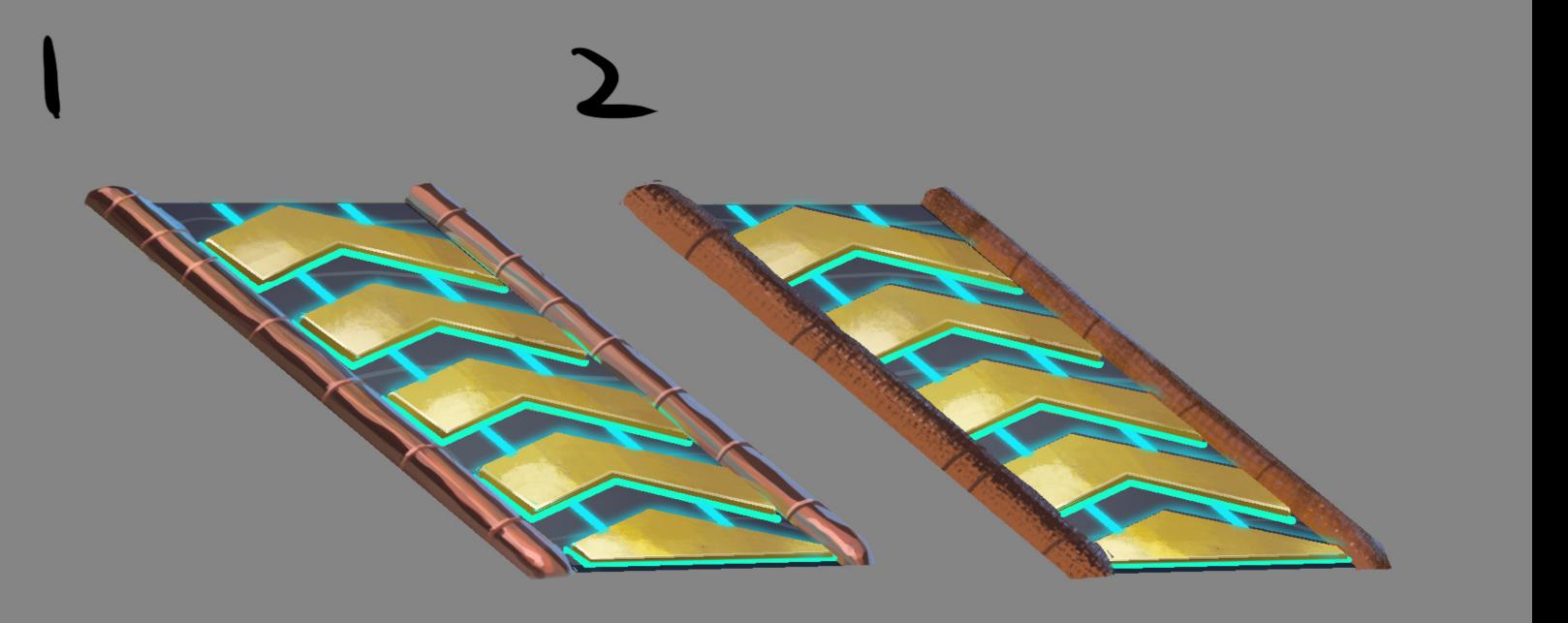












## Speed Pad Concept

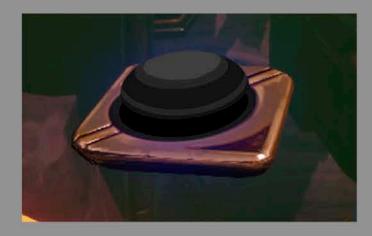


#### Artist: Yuhki Demers

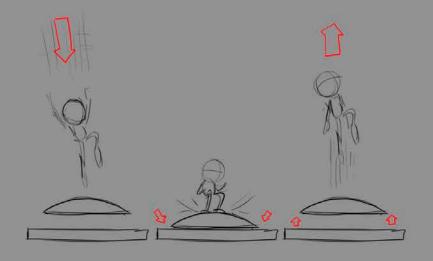




#### KINETIC ENERGY COLOR







PAD DEPRESSES WHEN BOUNCING

DORMANT

ACTIVE

## BOUNCE PAD V05A

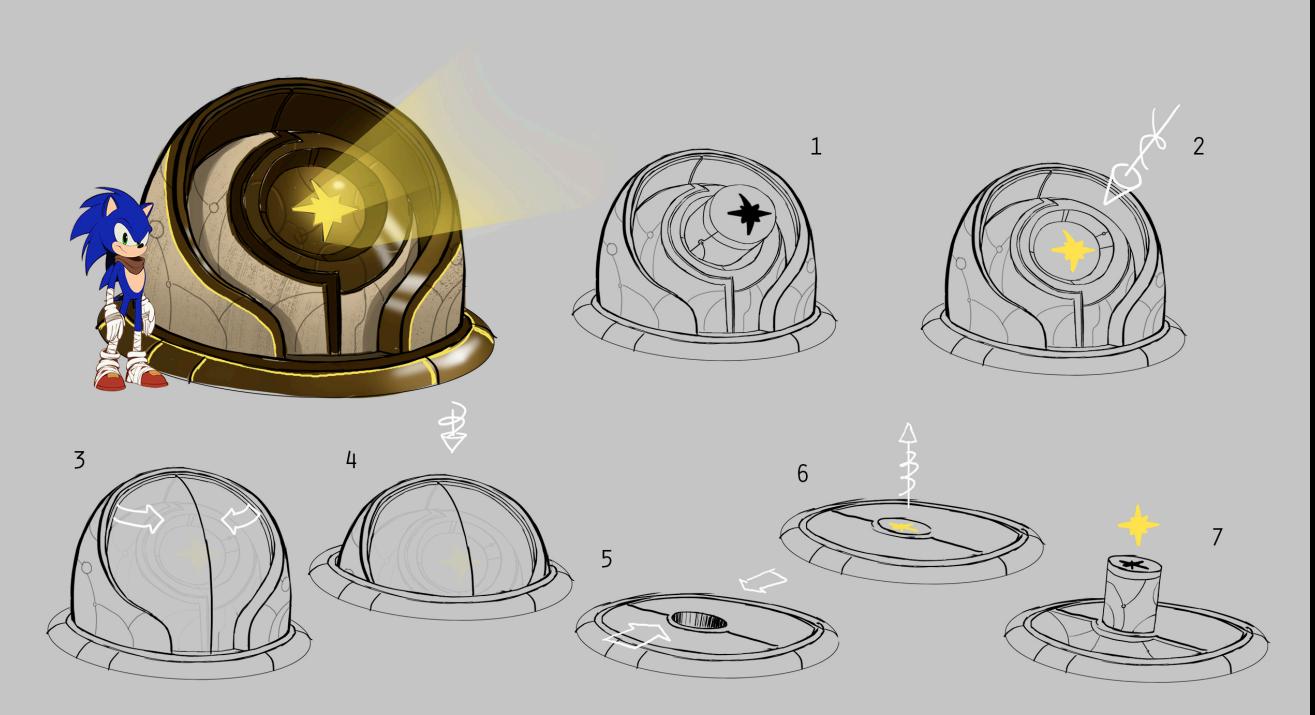




## **Global Crystals**



### Artist: Yuhki Demers



Crystal Lock 01a

## Crystal Lock

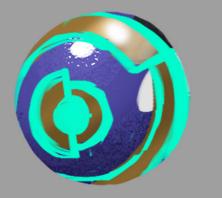


# CHARACTER SPECIFIC PROPS









SONIC SPIN DASH RAMPS

#### SONIC AIR DASH TARGET BALL

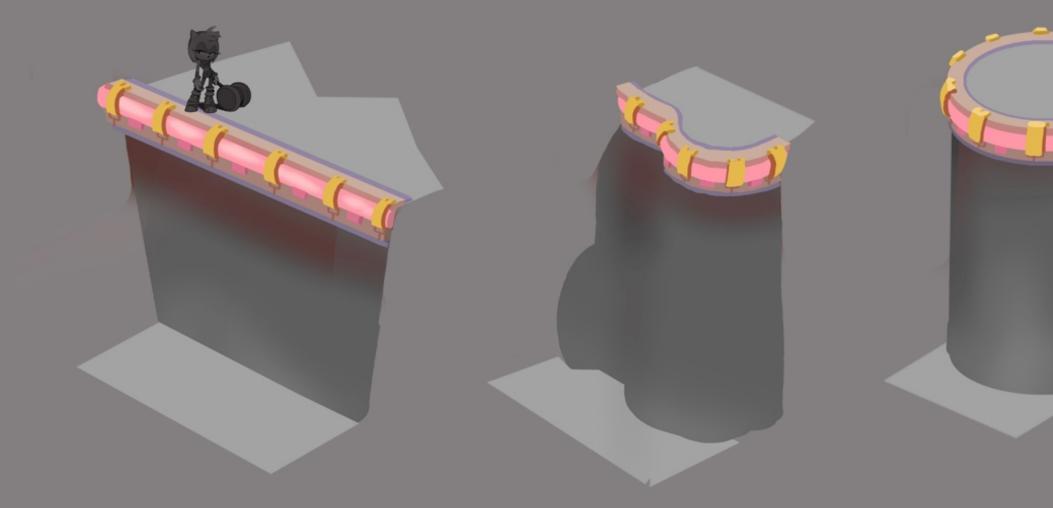


## SONIC'S AIR DASH TARGET BALL/GROUND BALL

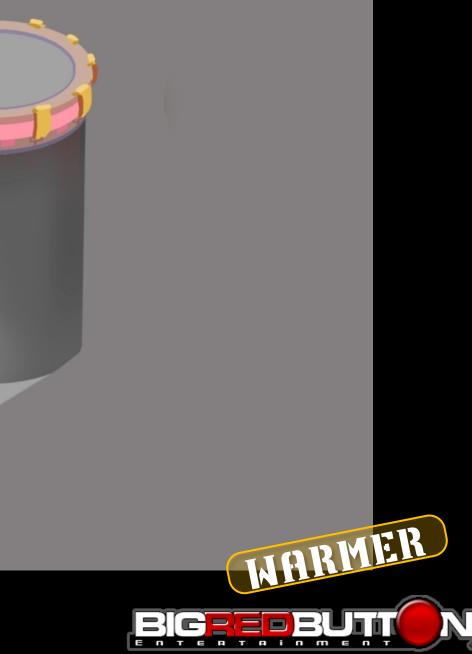


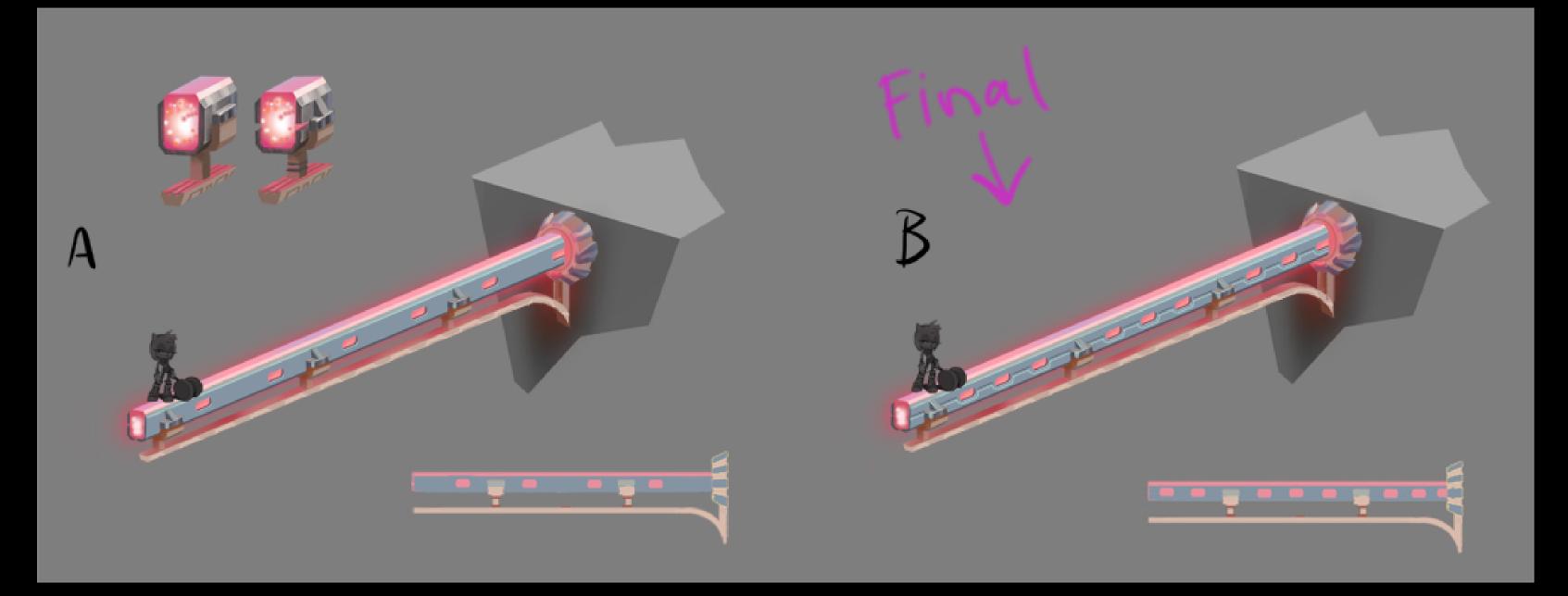
Artist: Mike Bear

## **Ledge Variety**









## Amy Balance Beam

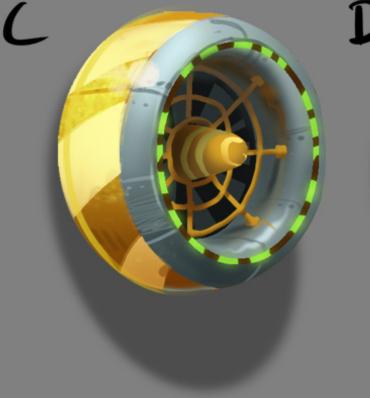


Artist: Mike Bear

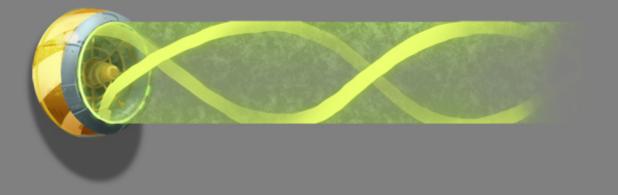
TAIL'S VENT FAN

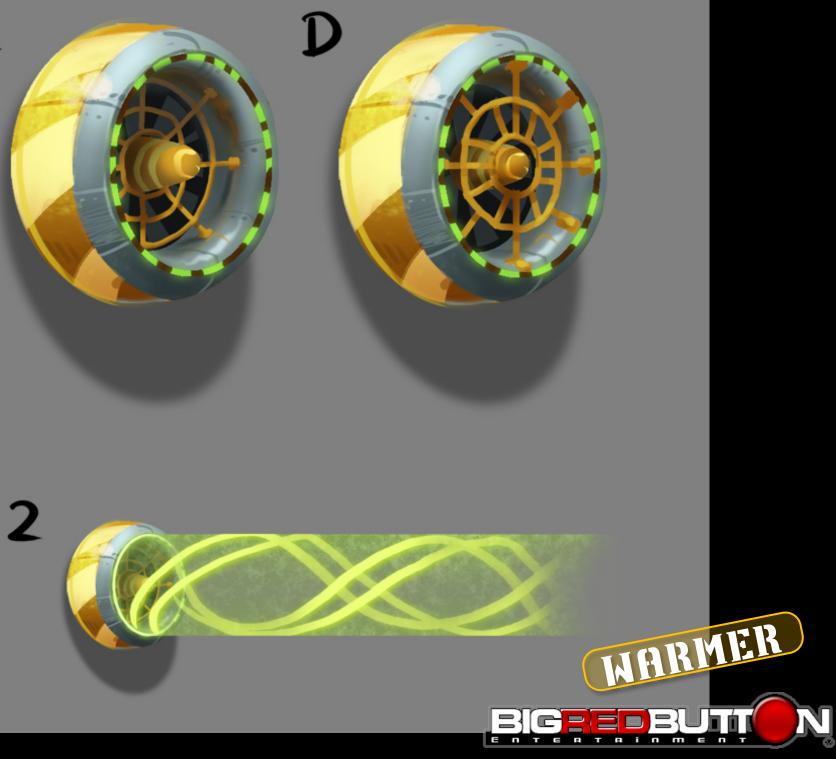






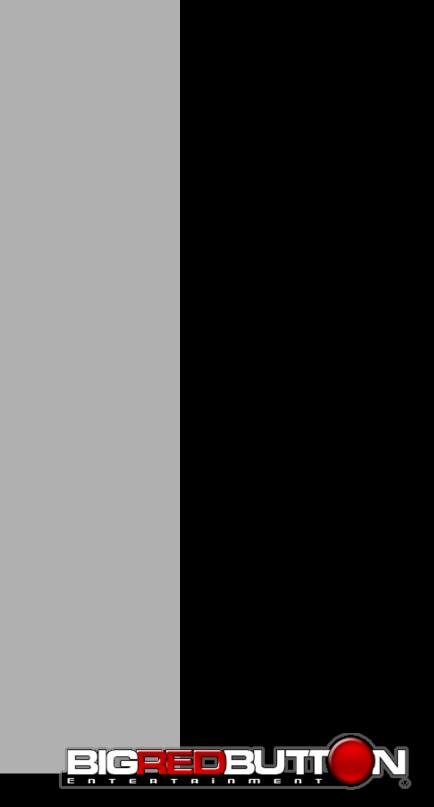






## BUDDY BOT MOUSE HOLE CONCEPT

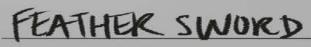




# MODAL WEAPONS











#### Artist: Sean McNally







Sack Full of Coins





2H SIDE "GUN GRIP" MODAL WEAPONS









## STAR SHOT CONCEPT 02B

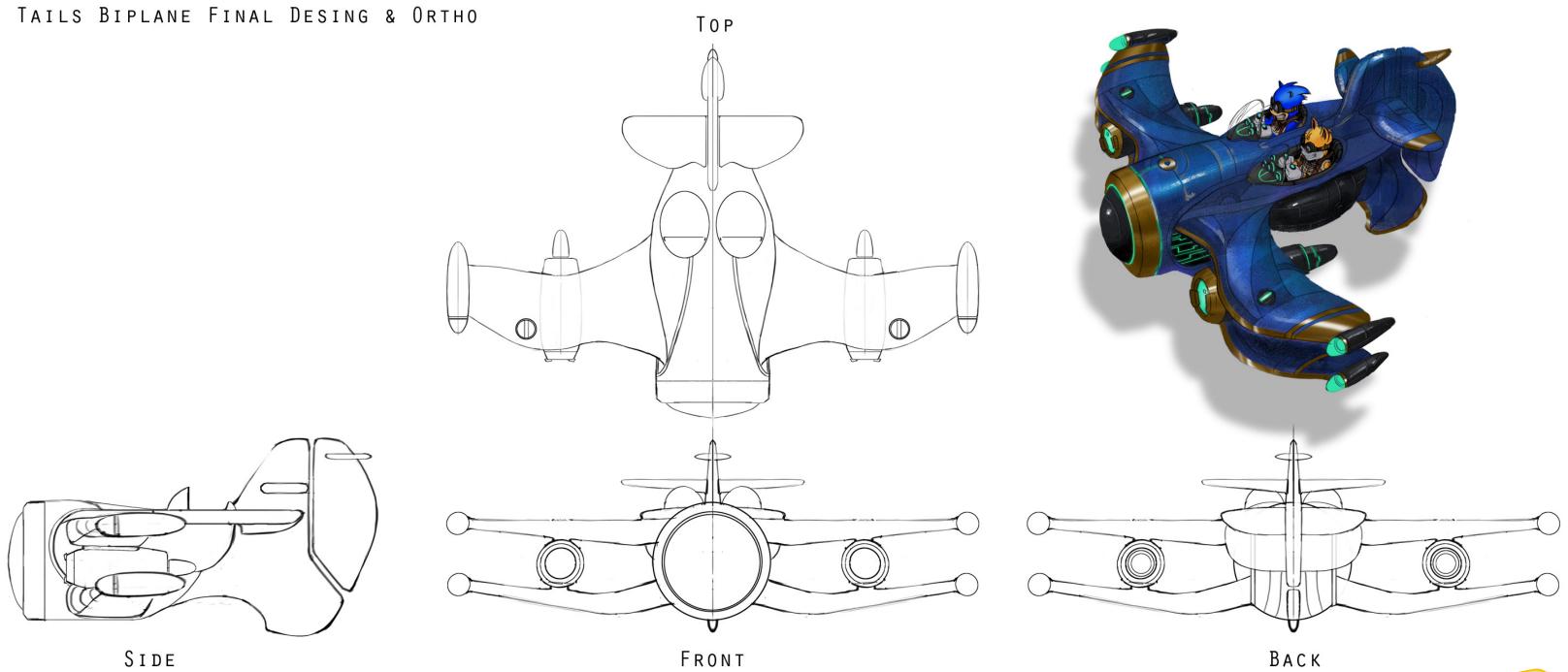


Artist: Yuhki Demers/Travis Ruiz



# VEHICLES



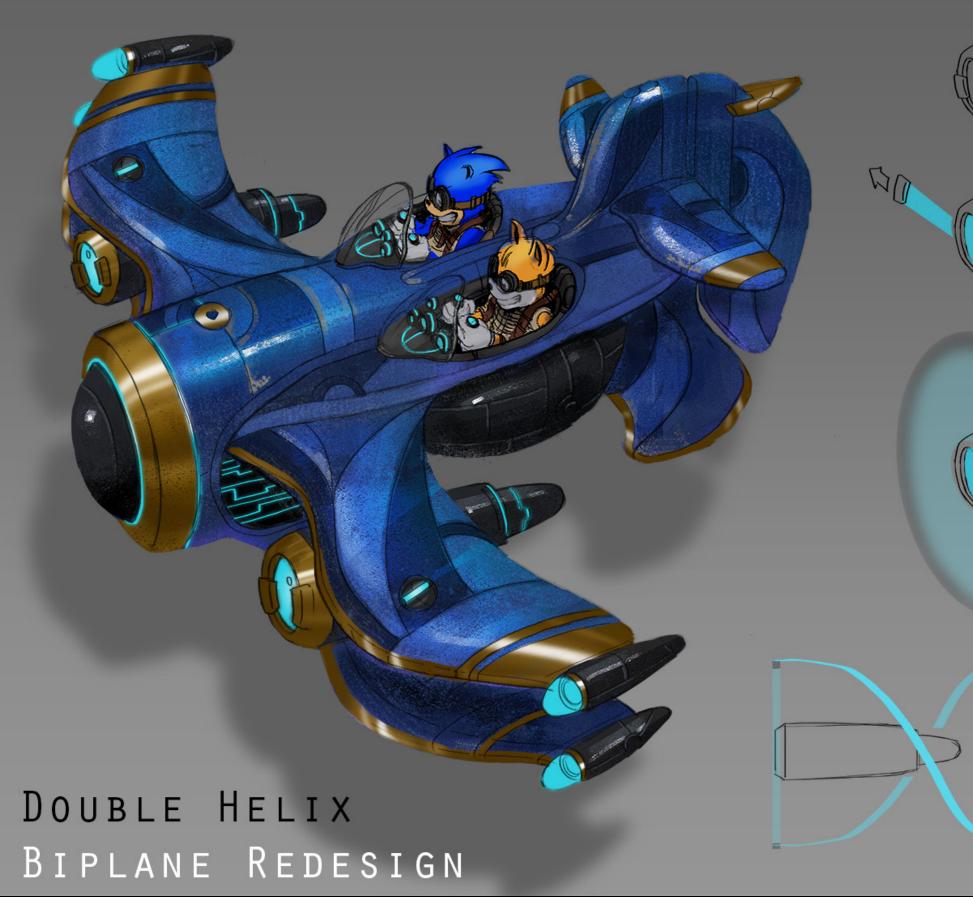


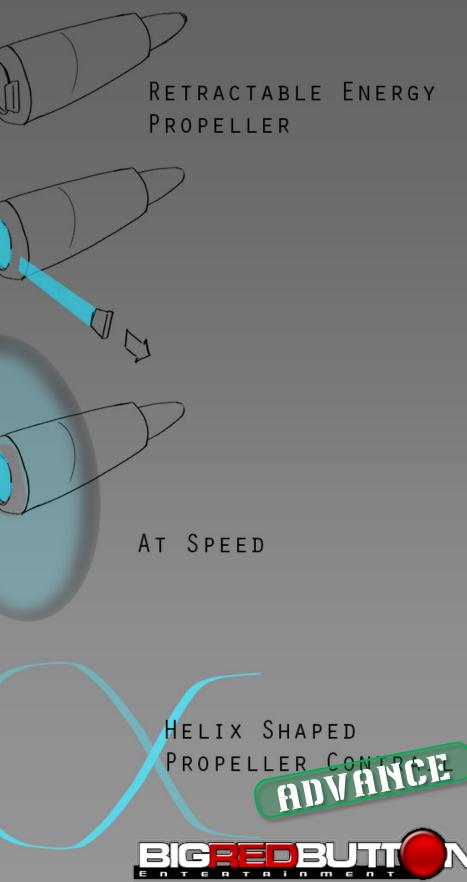
Artist: Hugo Martin/Yuhki Demers

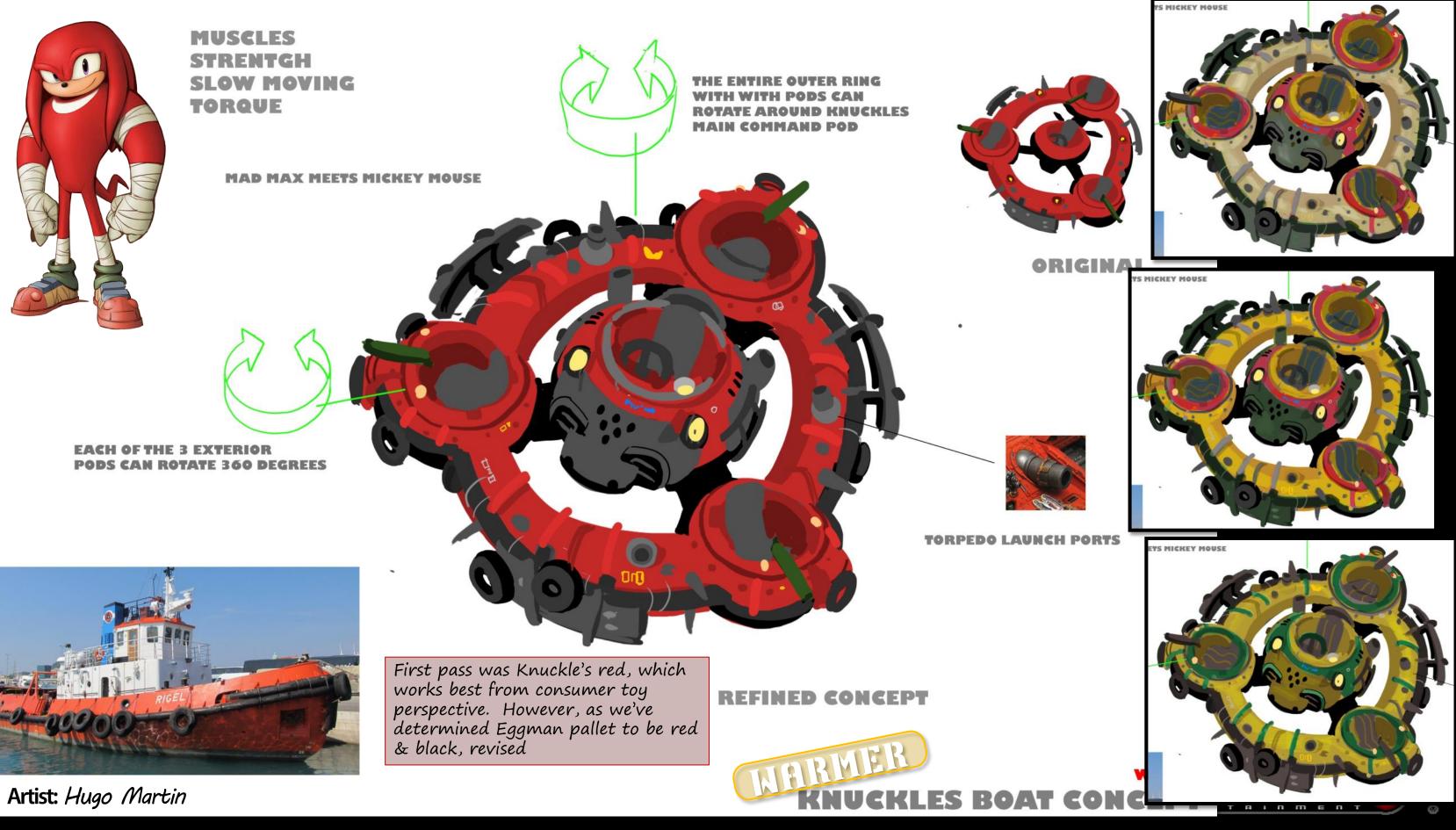
## Tails"bi-plane"

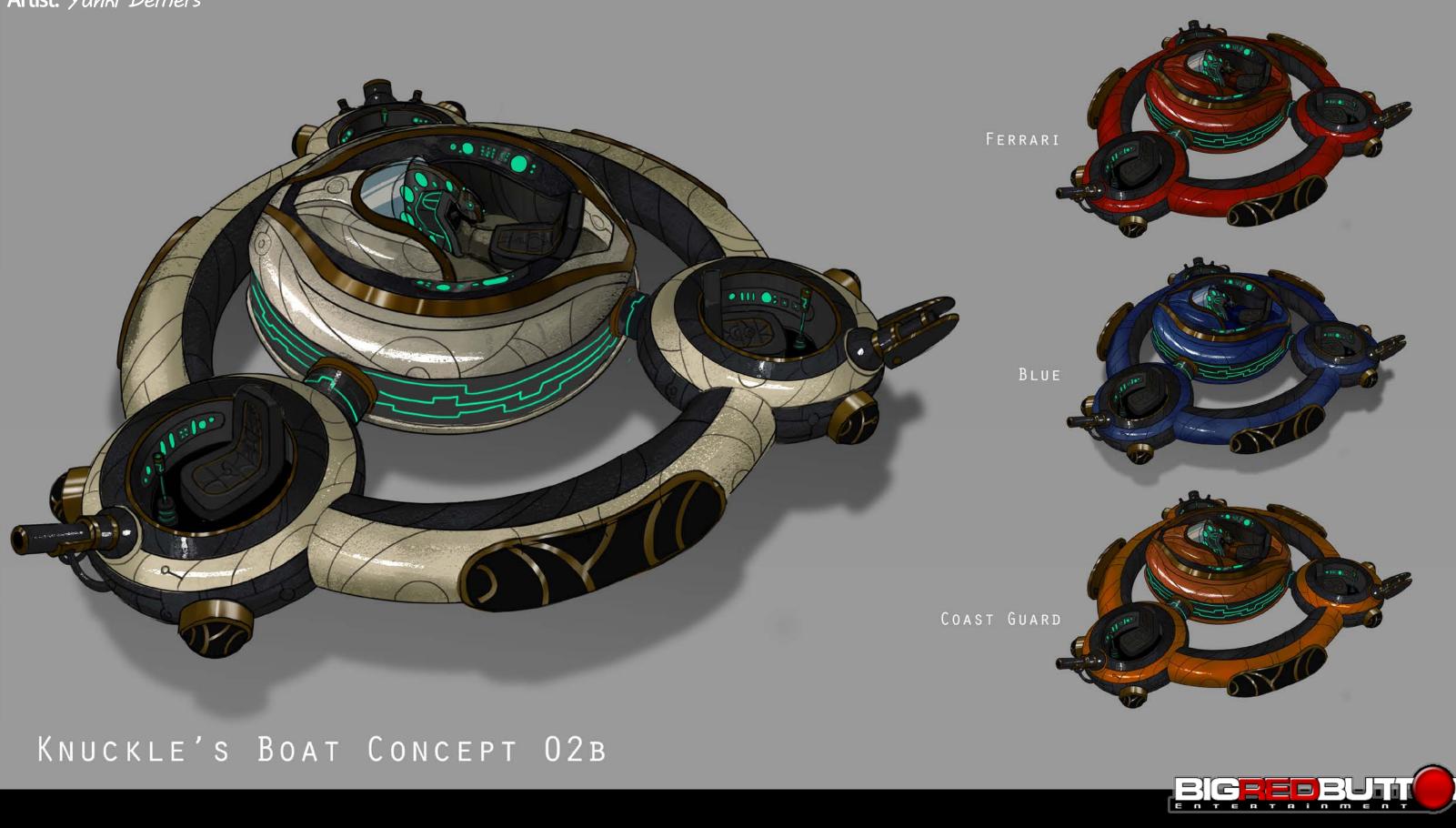


Artist: Hugo Martin/ Yuhki Demers

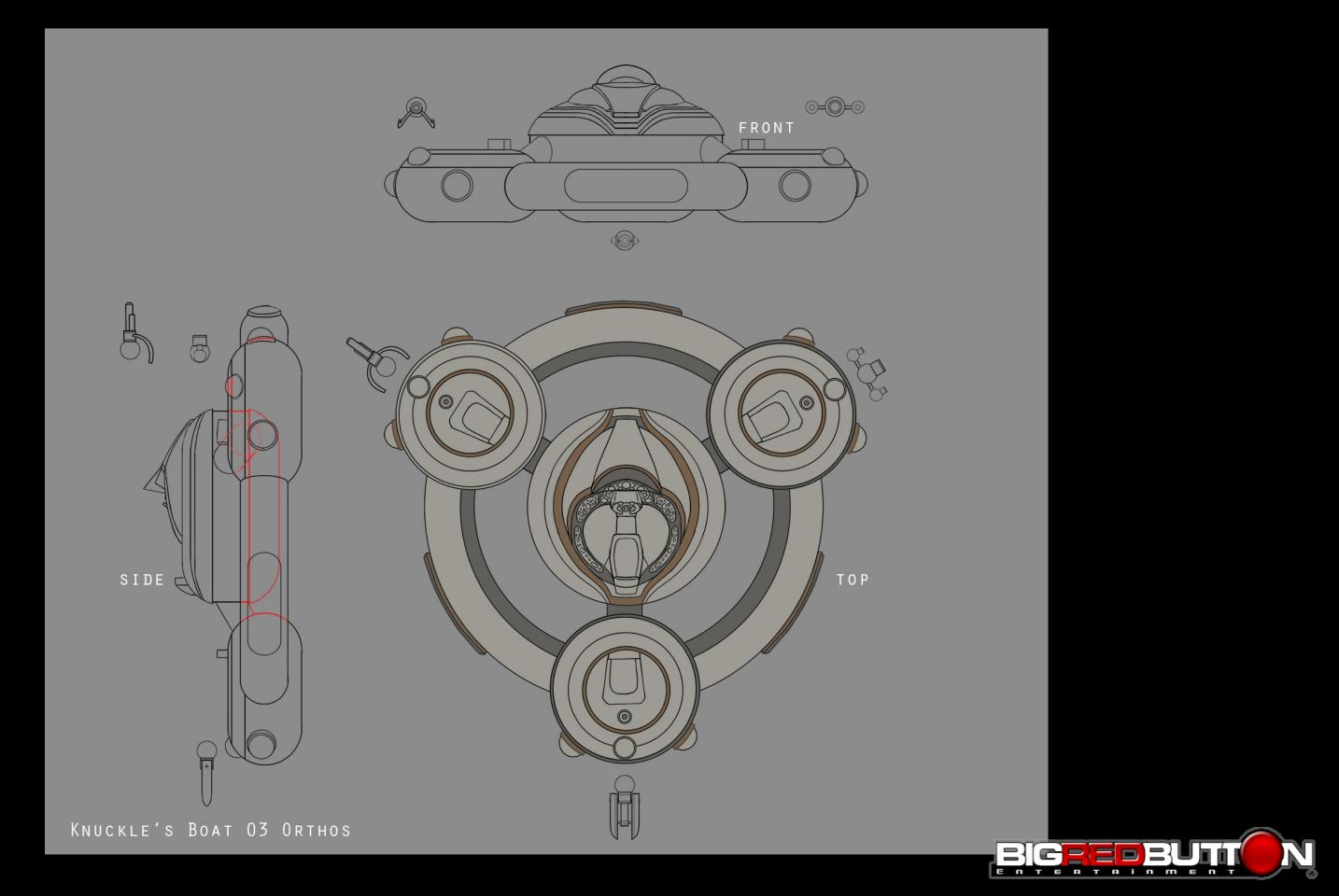




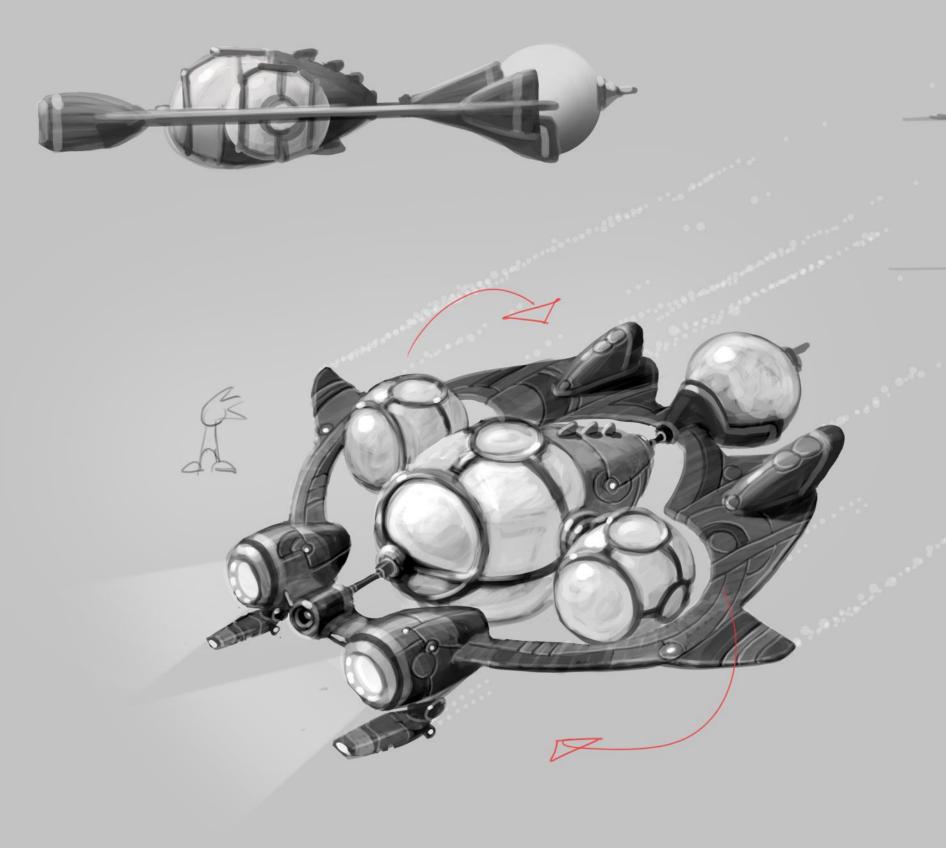




## Artist: Yuhki Demers



## Artist: Armand Serrano

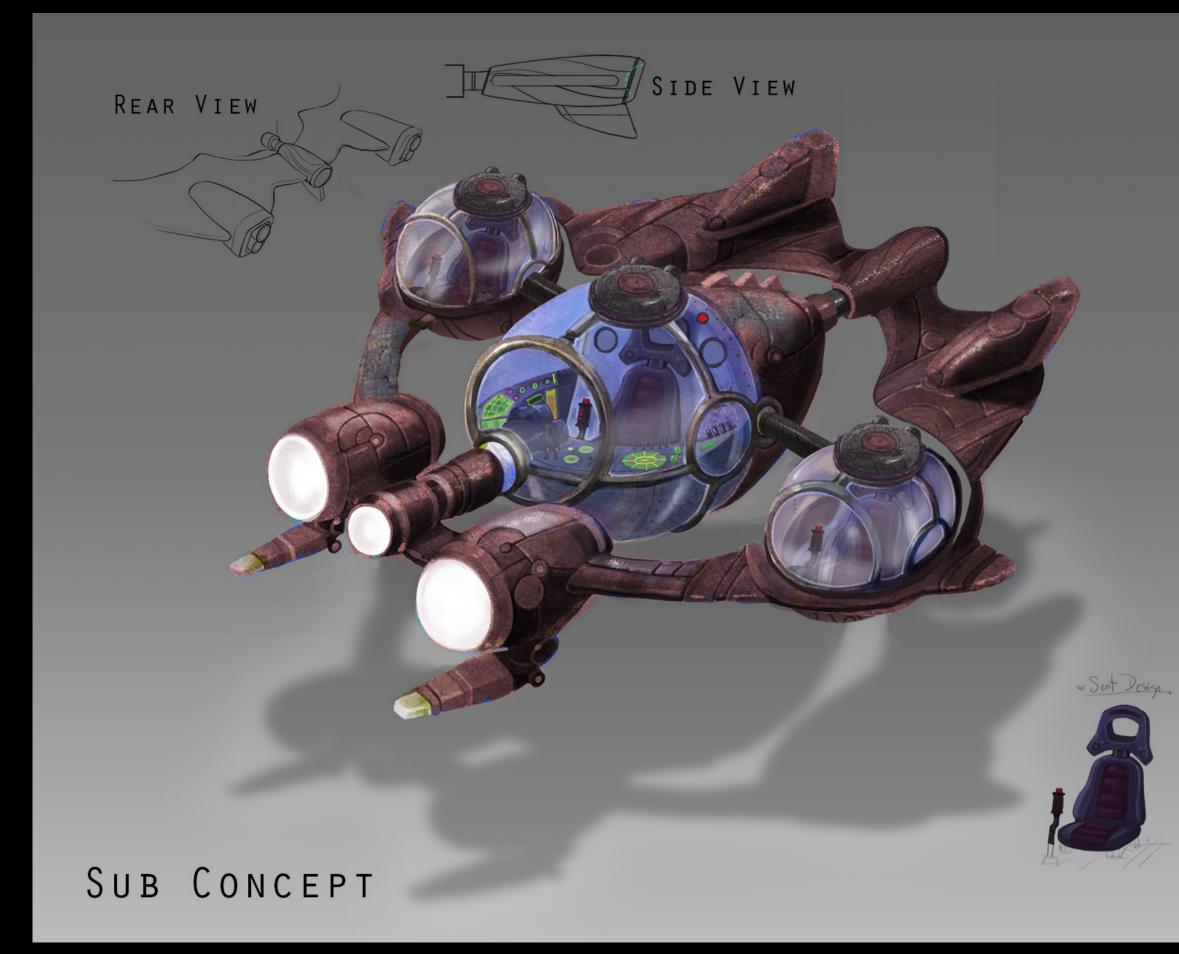












Artist: Armand Serrano Nicolas Villarreal Yuhki Demers



# PRODUCTION PAINTINGS

Arc





## Production Painting #2- Team Drafting in Action



During Team Drafting one team member leading the pack. The lead will create this visible speed draft zone in the form of an energy wake . Like Nascar or any auto racing strategy, the team member in this energy wake will get a speed boost and will become the new leader. This format will leap frog between team members to achieve max velocity.







## Production Painting #3- Team Bungee in Action #2



## Production Painting #5-Team Drafting in Action2



While in Lyric's foundry, the team has to use Team Drafting to spin the energy wheels, which then power all (color) related items such as the central platforms which then can activate and rise to allow team to reach the rear chamber door.

Entertainment

## **Production Painting #7-***Team Traversal*



## **Production Painting #8-***Team Traversal*



 $\mathbb{N}$ 

6

## Artist: Cliff Childs

## **Production Painting #9-***Ominous Discovery*



Artist: Armand Serrano

## Production Painting #10 – The Adventure Begins



Discovery of the Ancient Temple

## Production Painting #11 - Assembling Speed Track in Ocean Trench

Team races on assembling track in route to Mystery Island, surrounded by reverse ocean falls.



## Production Painting #12 – Sky Fortress Air Armada Ambush



## Production Painting #13 – Finding the Golem



## Production Painting #16 – Discovering Lyric's Dig Site



## Production Painting #18 – Ocean Waterfall





## Production Painting #19 – Mystery Island

Team looks on as the Ancients' massive inter planetary communication temple is brought to life by Metal Sonic.



## **Production Painting #21 – Research Facility**



## Production Painting #22– Cloud City



# PRODUCTION PAINTINGS

Image following are proof of concept images during Prototype phase of Project Apollo which were placed on hold or dropped due to revised play mechanics.









Artist: Armand Serrano

Production Painting #1-Team Bungee in Action









## Production Painting #4-*Team Melee*

Conveying the balance of fast one on one melee attacks and slower area attacks. The players need to figure out how they're going to best use these tools to deal with big, varied groups of enemies.

In the foreground, we have our heroes trying to block the stream of minions (in this case, trashcan grunts coming over the bridge. Quite a few have already crossed over, so the team has to mop these guys up first. Knuckles charge's into the middle of the robots coming over the bridge and performs a big ground pound move. Sonic and Amy shoot towards individual enemies, smack them and then zip towards the next bad guy. **Tails** is playing crowd control, using his special attack Rocket Launcher to keep bad guys across the bridge at bay. The rocket explode on contact and throw the big brute into the air, delaying his advance.

BIGEEPBUTT

## Production Painting #6- Team Bungee in Action #3



Split Screen!

Team has to cross the canyon using team work.

Using Bungee sling shot maneuver with **Knuckles**, Tails has catapulted to his destination of artifact in Guardian statue across canyon wall, causing dynamic split screen in local co-op play.

**Amy** is also using Knuckles as anchor to similarly sling shot across to the next platform across the canyon. (The team will then tether to her to advance across).

**Sonic** is keeping the chasing Robots at bay with his spin ball melee moves.

Knuckles' anchor icon lets Tails know he can tether back to Knuckles (shown as WIP 3D dashed line, orienting space for players)

## Production Painting #15 – Golem Awakened



