

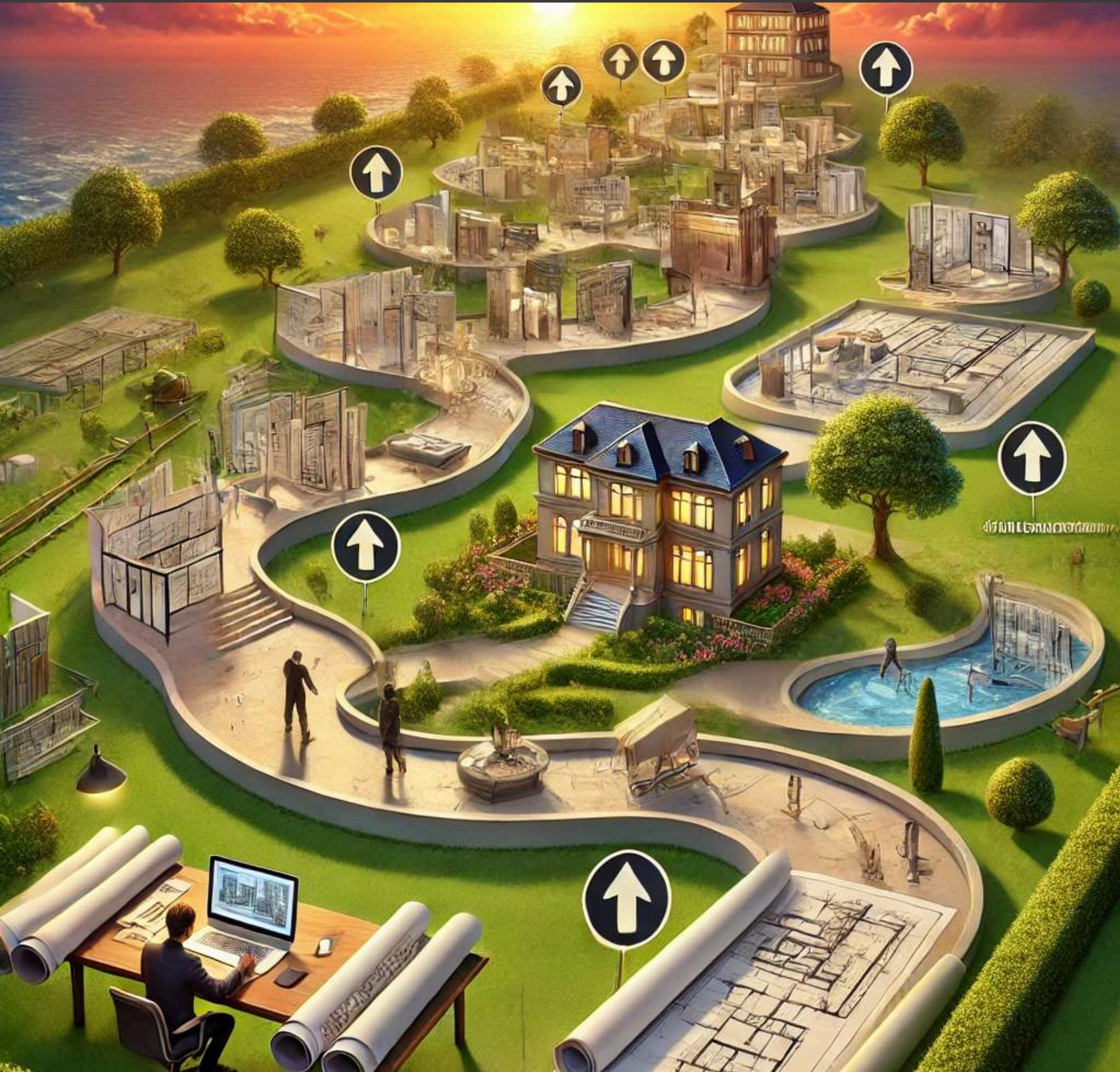


PRECONSTRUCTION  
OPTIMIZATION FOR  
CUSTOM HOME  
BUILDERS



# PROGRAM MANAGEMENT

A logical order of steps that supports the iterative nature of design, and captures the details. When someone updates something somewhere, it is updated for everyone, everywhere.



Feasibility

Concepting

Construction Docs Draft

Architectural Control Preliminary

Engineering

Interiors

Landscape Architecture

Construction Docs Final

Architectural Control Final

Municipal Approval

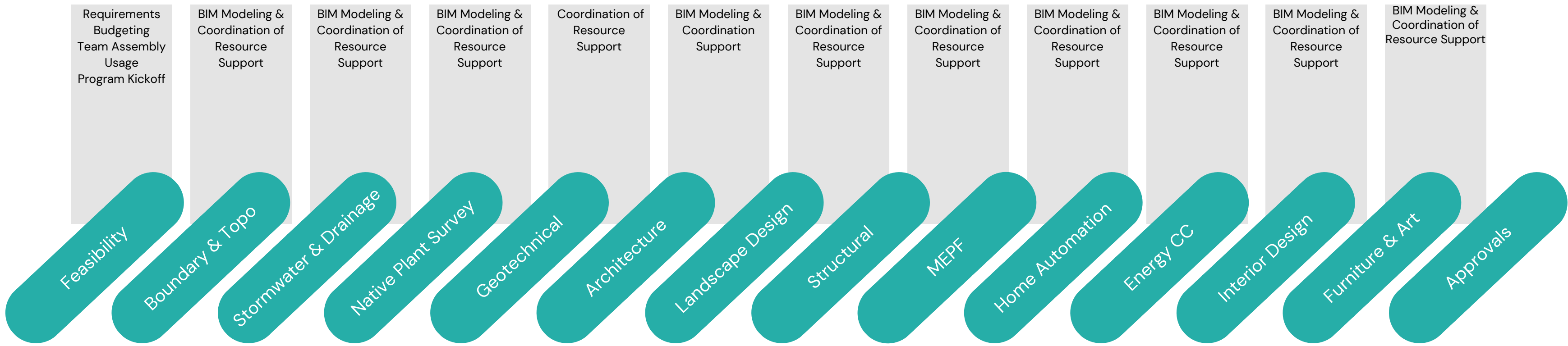
WHERE  
SCOPE  
MEETS  
BUDGET

SUBTOTAL	SUBTOTAL	\$ 815,054.21
SERVICE	Profit & Overhead	\$ 163,010.84
SUBTOTAL	TAX	\$ 58,683.90
TOTAL	TOTAL	\$ 1,036,748.96
STATS	PRICE PER SQUARE FOOT (Livable)	\$ 349.90
STATS	PRICE PER SQUARE FOOT (Under Roof)	\$ 246.38

**ANSWERS**

QUESTION	ANSWER
What City Are You In	Phoenix AZ
<b>General Space</b>	
Which best describes your Price to Quality Mix?	PRACTICAL
Is there an existing structure to be demolished?	NO
What is the condition/ slope of the lot?	Mountainside

Program Inputs



Communication Tool



Communication Parties



Outcomes

BIM Model

Construction Documents

Interior Design Documents

Value Engineering & Clash Detection

3D Visualization

Architectural  
Structural  
Systems  
Interior Design  
Furniture & Art  
Landscape Design

Per sample book/  
planset for baseline  
Per project architect

Floor Plans  
RCPs  
Elevations  
Noted & Dimensioned  
Material Sched Reports

Structural Oversizing  
System Clashes  
Material Reporting  
Sunlight Optimization  
Cut/ Fill Optimization

Interior & Exterior  
3D Renderings  
Flythrough Videos  
Virtual Reality

Assumption

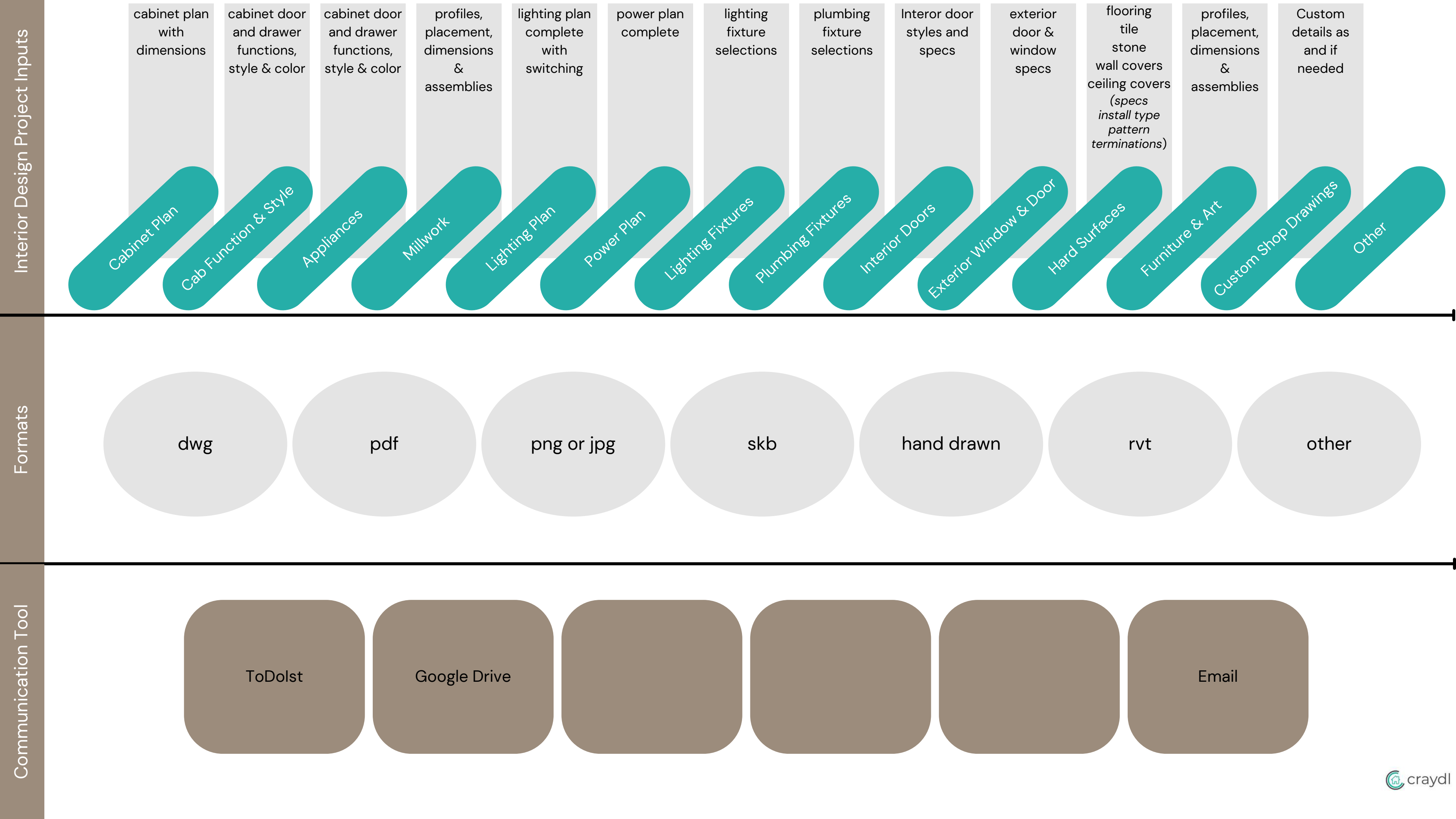
Assumes Craydl has received the following information in its entirety:

Boundary & Topo  
Drainage & Retention  
Floor plan  
Massing/ Elevations  
Roof Plan  
Power & Lighting  
Water disposal & supply

Cabinet Plan, Function & Style  
Appliance Selections  
Millwork  
Lighting, Power, Low Voltage &  
Home Automation Updates  
Plumbing Fixtures  
Door & Window Specs  
Hard Surfaces  
Furniture & Art

Structural Engineering  
MEPF Engineering  
Topographic Survey  
Completed D&G  
Baseline structural cost  
assumptions from project  
architect

What is modeled can be rendered



cabinet plan with dimensions

cabinet door and drawer functions, style & color

cabinet door and drawer functions, style & color

profiles, placement, dimensions & assemblies

lighting plan complete with switching

power plan complete

lighting fixture selections

plumbing fixture selections

Interior door styles and specs

exterior door & window specs

flooring tile stone wall covers ceiling covers (specs install type pattern terminations)

profiles, placement, dimensions & assemblies

Custom details as and if needed

Cabinet Plan

Cab Function & Style

Appliances

Millwork

Lighting Plan

Power Plan

Lighting Fixtures

Plumbing Fixtures

Interior Doors

Exterior Window & Door

Hard Surfaces

Furniture & Art

Custom Shop Drawings

Other

dwg

pdf

png or jpg

skb

hand drawn

rvt

other

ToDolst

Google Drive

Email

Interior Design Specification

FLOOR PLAN

ELEVATIONS

REFLECTIVE CEILING

MATERIAL SCHEDULES

FLYTHROUGH VIDEOS

3D Visualization

Virtual Reality

BY Floor  
BY Room  
Dimensions  
Notations  
Color & B&W

BY Floor  
BY Room  
Dimensions  
Notations  
Color & B&W

BY Floor  
BY Room  
Dimensions  
Notations  
Color & B&W

By Floor  
By Room  
By Type  
By Quantity  
Notations

Interior  
Exterior

Perspective  
Renderings  
2 per room

Kuula Model  
Viewable through VR  
Headset

Formats

dwg

pdf

png or jpg

skb

rvt

YouTube/ Vimeo  
/ mp4

Kuula

Communication Tool

ToDolst

Google Drive

QR

Email

Text

# NOTES

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