

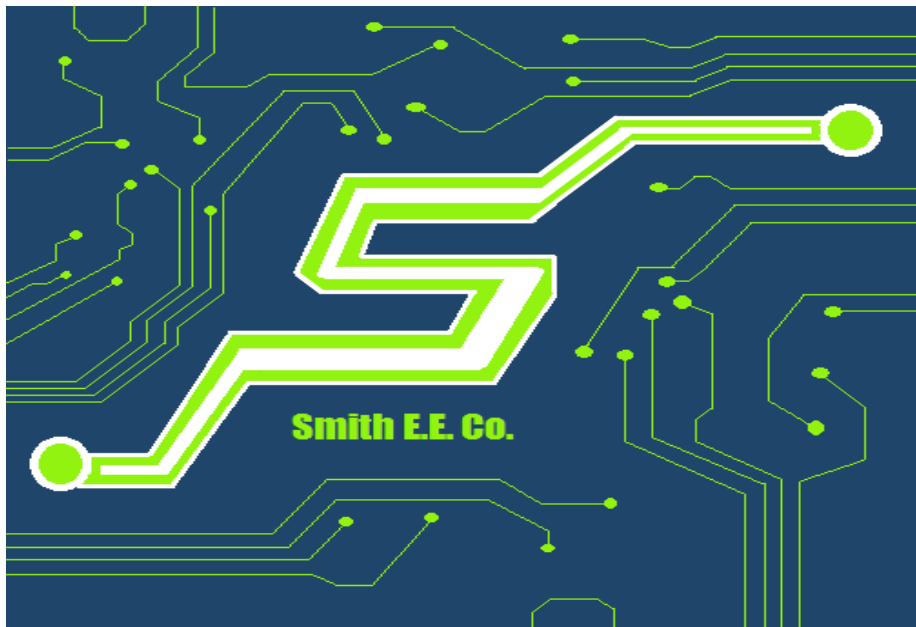
# Concept Design Report

For Project [Upscale Ranch House]

For Project Number [0107]

October 7, 2015

Johnny Depp



Smith Engineering, A Powerful Company

**Logan A. Smith**

**Section 002**

**Smith E.E. Co.**

478 E. Beaver Ave.

State College, PA 16801

# Concept Design Report

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## Background

The goal of this project is to conceptualize a non-traditional house. The house must have at least four rooms along with corresponding furniture places in each room. The exterior had to be landscaped with shrubbery and trees. The property had to have a yard, driveway, and sidewalk up to the front door. The tools used to accomplish this project was mainly a computer with the software Trimble Sketchup. All furniture and appliances were gotten from the 3D Warehouse of Trimble Sketchup.

## Design Concept

The house is a one-story modernized ranch style house with no basement. The house was designed from a layout of three hexagons with a green-house attached to the rear of the house. The house is designed for a family with one to two children. It has a swimming pool and wide open space throughout a majority of the house. This house will be located in the Northeastern region of the United States (PA, NY, NJ, RI), because the roof is designed with snowfall in mind, positioned at an angle for easy snow removal and is a dark color in order to allow for the maximum absorption of heat to melt small amounts of snow.

## Components of the Project

Interior and Exterior views of the designed structure.

Detailed description of both interior and exterior of structure.

Fees of services laid out in attached invoice.

## Project Description

### Exterior View



The exterior of the house is shaped using three hexagons connected together along with a greenhouse attached to the rear of the house in order to allow for gardening year round. A large driveway is located on the edge of the property along with a stone sidewalk leading from

driveway to front door. Two walls on the east side of the house contain large windows allowing for an optimum view of the rise and fall of the sun because the house faces south-west. The roof is peaked for easy snow removal in the winters and is a dark color in allowing maximum heat absorption in order to melt snow and ice.

## Interior View



The interior of the house is modernized with new appliances in the bathroom and kitchen. A large kitchen is located on the East side of the structure along with an attached dining room. The door all the way to the rear of the house leads to the attached green-house. The side door leads out to the backyard and an in-ground swimming pool. All bedrooms are located on the West side of the structure along with a bathroom. The walls are all light gray, giving the house a modern look while the floors in the living room and dining room are hardwood, the kitchen and bathroom are floored with tile and the bedrooms are floored with carpet. An open floor design allows for more light to enter through the two windows in the living room and the large windows in the dining room.

## Fees

See attached Invoice No. 0107



## **“Smith E.E. Co.”**

*Smith Engineering, A Powerful Company*

478 E. Beaver Ave.  
State College, PA 16801  
(484) 707 – 6513  
las6102@psu.edu

# INVOICE

INVOICE NO: **0107**

DATE: **07 10 2015**

**TO** Johnny Depp  
405 Beltzville Drive  
Kunkletown, PA, 18058  
(610) 681 - 4888  
Jd1844@gmail.com

TASK	UNIT	QUANTITY	RATE PER HOUR	TOTAL
Professional Services	Hour	039	\$106.00	\$4,134.00
Technical Support	Hour	008	\$40.00	\$320.00
PC Time	Hour	031	\$31.00	\$961.00
SUBTOTAL				\$5,415.00
Profit (10%)				\$541.50
<b>TOTAL</b>				<b>\$5,956.50</b>

Make all payments payable to: Smith E.E. Co.  
Payment due within [30] days

If you have any questions concerning this invoice, please contact Logan Smith at:  
Phone: (484) 707 – 6513  
eMail: las6102@psu.edu

**Thank you for your business!**

