

INTRODUCTION

The Purpose of this project is to protect a family from a near inevitable zombie invasion. The objectives of this assignment are very similar to mere home security but with elevated and innovative techniques, which are assumed to prevent entry and disturbance from zombies. The difference between zombies and regular human invasion is the fact zombies are understood to have excessive strength but that strength comes with reckless abandonment and lack of strategizing. There are many unknowns when it comes to defense against zombies, but our company Zombie Invasion Prevention (ZIP), assumes all risks, and plans for the worse in order to efficiently keep families safe and protected. There are several aspects of this assignment that have very evident pros and cons.

PROS & CONS

Our company has assigned pros and cons which are related to risk assessment. An important portion of our project is the installation of electric fences. This is a critical assignment, which is essential to the safety of our customers. The positive elements of the electric fence are the protection it serves as a barrier that should be sufficient against any zombie that makes contact with it. The possible problems that can arise are that the fence may have to withstand consistent impact and possible damage. Power outages are also a concern. With power outages in mind, the generator must be discussed. If the power goes out, we have in place a generator to aid in maintaining the electric current from the fence. Possible cons with this generator are that there may be a short time in between regular electricity and the back-up generator system. This gap in time could lead to entry from several zombies and possible destruction of the fence. When the generator kicks in, the fence will be re-electrified and will again aid in the containment of zombies. The application of steel bars on the windows, steel doors, and a new reinforced hatch door will essentially be free from any dilemmas. The reinforcement of the windows and doors is really a backup plan, in case the fence and/or generator have any problems that lead to the unwelcoming entrance of zombies within the close comfort of the family's home. Cons with the steel bars on the windows can be the appearance. There are complex designs out there, when dealing with

steel bars, but we have a deal with our manufacturer to obtain re-bars, which we cut to the custom size for each window. Another possible minuscule dilemma would be the permanency of the reinforced bars and the possible eyesore they could create on an average family's home for the long run. These are risks that families should be willing to take to ensure the safety of their family. The guns and ammo have the benefit of, when all else fails, protecting a family from a close encounter. If all other means of defense fail, the head of the household would be the one to likely use the rifle. Rifles and ammunition are costly, but can help people feel more comfortable. Some people would prefer to have some impact in the protection of their family. Our means of defense are substantial, but we like to appease others' needs for control and assistance in their own safety. Pros are protection against close encounters, and cons are cost and potential backfiring or misuse may lead to serious injury or death.

COSTS

Our project is meant to adhere to the budget limitations of a middle-class family. The projected cost for everything mandatory in our assignment is \$15000. This price is all-inclusive. This may seem like a large amount of money for five days of work, but the precision and skill of the work being handled is of the highest expertise. Our employees are extremely knowledgeable and well rounded in all aspects of our craft. This price is specific to the assignment at hand, which is for a house with a fence area of 40' x 90'. The price for the high-tensile fence is \$0.57/ ft, making the actual cost for the fence \$2052. The steel doors cost \$250 each and the hatch door cost \$500. The price for the specific camera system that we use is \$300. Our generator costs \$2100 and the steel bars for the windows costs \$139 for this project. These prices are all of the prices at which we would be able to purchase these particular items. We buy these products at the cheapest possible price in order to supply our services at the lowest possible price, while profiting at a desirable rate. The estimated product cost is \$5341, allowing our profit to be \$9639. The company is independent, so each work member gets a equal cut of the profit.

PROJECT COMMUNICATION

All the members of the team work together on a daily basis, there is a daily communication with between them. The only necessary meetings are at the beginning and conclusion of every day of work, and also at the beginning and conclusion of every assignment. Before an assignment is to begins, each team member must understand the specific project which includes the project details and scheduling.

SCHEDULING

Zombie Invasion Protection has come up with scheduling for all activities involved in creating a zombie-proof establishment. We have estimated the time frames for each task as follows: Steel bar installation for windows: 30 hours, Steel door and hatch door installation:43 hours, camera setup: 3 hours, generator: 3 hours, fence:13 hours, guns and ammo. The total time needed to complete all installation is 83 hours with approximately 6 hours of cleanup. We are a hardworking organization and have allowed ourselves a sufficient amount of slack in order to be reliable and never miss a deadline. Our projects typically require a lot of outdoor work and we need to ensure that weather conditions will not impede our process to complete on time. For this particular project, we have a deadline of 14 days and are expecting to finish within five days. Extreme conditions would be the only reasoning for possibly even coming close to the projected finish date. Whether it is weather conditions or wearing down of tools or equipment, the projected slack should be sufficient. We provide our clients with a schedule of how each task is meant to be handled with an explanation our Critical Path Method as well.

RISK ASSESSMENT

For the assessing the risks the factors are either rated high, medium, or low. There are six total risks that were considered. The highest risks are not completing the hatch door in time and the chance of bad weather. Most of the response plans include fixing the problem immediately which won't hinder the project due to the free slack that was calculated from the CPM.

NETWORK DIAGRAM

The diagram contains the schedule of all beginning to closing of this project. The scheduling time is displaying hours starting from May 22, 2012. For identifying the project it is up to the manager and the marketer which involves looking for and communicating with clients. After that, the actual work begins on May 30, 2012. During those two weeks the work is broken down evenly between all four group members. Most of the work involves more than one person on each task (ex. installing fence, barring doors and windows). The most work is making a small pathway for the hatch door which takes about 100 hours. That job is mainly done by Shaul and switches off with different members of the group when they are free. When everyone is done with their other tasks they all join in to help Shaul to finish the pathway to the hatch door. The last three tasks involve all the group members to reassess the work they did.

PROJECT CLOSE-OUT

The final phase of completing a project is to have a project close-out. This involves talking to all employees and the client to gather an understanding as to how successful the project was completed.

Many aspects are brought into discussion at this time including: problem identification and resolutions, customer satisfaction, budget accomplishment, etc. These are all aspects involved in the Post-project evaluation. All financial measures are completed and all documents are archived for safekeeping. We will specifically address how good or bad our profit margin was, what things we could have done differently, and how well did we give the customer what he/she wanted.