Feasibility Analysis

The following questions have come up in discussion and the design has included all concerns raised. All associated risks have been addressed in the Risk Assessment section.

How do we get the carts out of the storage room?
- The carts will not be located in the storage room.

How do we get in-between the build stands when they are in Quadrants I&IV?
- The new build stand will be located in Quadrant II as opposed to IV to allow for sufficient movement around the build stands.

Will the engineers have enough space to work?
- Dedicated work surfaces will be available for engineers working on either build stand.

Will the cranes reach all of the necessary areas?
- After 2-D modeling analysis, it has been determined that the locations of the new cranes will allow for double-picks as well as being able to move heavy items to and from all necessary locations.

Where will our tool boxes go?
- Dedicated space is available for each build stand. The design takes into account 2 workers per build stand per shift (2 shifts) for a total of 8 tool boxes inside the room.

Will the aisle leading to the VECTRA room be wide enough?
- As long as the VECTRA carts are moved properly, there is sufficient space down the aisle.

Where will all of the fixtures that are currently outside the VECTRA room be relocated?
- A dedicated storage room has been designed outside the VECTRA room that contains pallet racks and its own ventilation system to limit having to clean the fixtures.

What is the total cost of the new design?
- The total cost will be determined by the D-R purchasing department and also the selected outside contractor.

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Will the current process be disrupted and if so, how much?

- Based on the design, the current process will be minimally interrupted. The majority of the design components will be constructed outside of the current room. When ready, the wall separating the addition from the current area will be taken down. A cutover plan will be detailed and implemented.

How can the organization of the VECTRA room be maintained?

- A detailed 6S plan will be documented and put in place.

Will the cranes meet the maximum weight capacities?

- Based on discussion with D-R personnel, the new cranes that have been selected will meet the maximum weight capacities.

How much WIP space will there be available for each build stand?

- Dedicated and sufficient WIP space for each build stand will be greater than the current space dedicated for one build stand.

How will the two build stands be distinguished?

- A color-coding system will be implemented to designate specific area for each build stand.

How many workers will be assigned to the VECTRA area with the addition of another build stand?

- Based on discussion with D-R management, the expansion will include the addition of sufficient workers for two build stands and two shifts.

Will access to the room be limited?

- Card access has been proposed and will ultimately be decided by D-R management.

Is there room outside of the expansion for a build stand dedicated to tear-downs?

- Space outside of the expanded VECTRA room has been dedicated for a build stand specifically for tear downs.

Will there be adequate lighting in the room?

- High output T5 lighting fixtures will be added to the room to ensure proper lighting.

How will the cleanliness of the two build stands differ?

- The cleanliness of the two build stands will be determined by their individual locations relative to the clean room.