**LTCC Risk Assessment Table**

WBS 1.4.2.2.4.2

*April 22, 2013*

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| **Item** | **Issue** | **Risk Factor** | **Mitigation** |
| Mirrors Re-coating | Mirrors cannot be re-coated directly due to issues with glue or coat removal. | Low | Lexan layer can be coated and glued on top of existing mirror surface; Test procedures on samples before use;  Analysis of mirror shape; |
| Re-coating | Mirrors re-coating cost excessive for mirrors or Winston Cones. | Low | Test Mirrors and coat the ones with lowest reflectivity. |
| Mirrors Sags | Mirrors sag under different gravity condition | Low | Reinforce spine to hold mirrors in positions. Align mirrors in their sector position.  Engineering analysis of procedures; |
| Mirrors re-position | Elliptical Mirrors 15 through 18 can’t be repositioned to keep optics in place | Low | Mirrors can be rotated. In case, mirrors length will be increased. |
| Alignment | Mirrors mounts adjustment is insufficient for proper alignment | Low | New adjustment holes will be drilled on the side-wall for mirror support.  Survey of mirror positions in respect to the walls. |
| Window | New window configuration bulge too much under pressure | Low | Reduce window volume addition. |