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**DIGITAL MEDIA**

* There are nearly 7,000,000 pixels represented on the Awakening Wall. The video wall is just over 22 feet, 8 inches wide and weighs approximately 3,350 pounds.
* There are **more than 800 individual cables** used to connect the various components within the AV system. When put end to end, they could span 5 miles.
* The Missionary Map uses ultra HD content traveling down nearly 200 feet of cable, requiring a pair of fiber-optic cables to support the bandwidth.

**OTHER INTERACTIVE OR EDUCATIONAL ELEMENTS**

* ****There are 35 elements that visitors can open, peek into, listen to, watch, turn or handle throughout the exhibit.
* ****There are two full-sized trees (a maple and an oak) in the exhibit, along with other natural history elements: pigs, corn, pumpkins, horses, a rat and a worm.
* In total, the docents collectively spent 58,400 hours in training before the reopening. On average, **220 docents each spent 265 hours** in study and reading, preparation and class time.

**MURALS**

****The two murals painted by Doug Fryer took over **200 man-hours to hang**. The work was done by two hired conservators, seven conservators from the Church History Department, and Doug Fryer himself.

**ITEMS AND DISPLAYS**

* There were 996 items removed from the last exhibit. 5,284 items have been moved to new storage areas. 16,284 items were tagged and inventoried as part of the process.
* Supplies used to move or store items included 800 boxes, 115 shipping pallets and **1,000 feet of tissue paper.** This is just shy of the height of Beaver Cliff Falls in Montana.

**FUN FACTS**

* In the new exhibit there are 223 artifacts, 34 documents, 30 art pieces and 34 artifact replicas. This makes a total of 321 items, **257 of which are actual historic items.**
* 79 items received conservation treatment in preparation for the exhibit.
* 188 display mounts were made. 30 were created by the Church History Department conservators, 125 by exhibit fabricator Pacific Studio, and 33 were collaborations between the two entities.
* Almost 100 leveling feet were used on the cases and other displays to keep them stable.
* More than 60 tubes of heavy-duty construction adhesive was used to install various pieces.
* Approximately **700 feet of new electrical track** were installed.

**CREATING THE ENVIRONMENT**

* Over 3,000 pounds of specialty concrete were used to create the Liberty Jail floor.
* Nearly 1,200 linear feet of hardwood was used to create the interiors of the Smith and Whitmer cabin walls. That’s about **five times the length of a Boeing 747 airplane** (231 feet, 10 inches).
* Over 100 gallons of paint were used to create the finishes for the exhibits.
* 350 new LED track heads light the new displays.

**THE VISION THEATER**

* The Vision Theater has **103 acoustical springs** attached to the ceiling to create a floating sound isolation lid.
* The Vision Theater has a viewing angle of 220 degrees.
* Actual ambience sounds were recorded in the Sacred Grove using a specialized 13-channel microphone setup, which captured seven upper channels of audio, five lower channels, and an LFE channel at the same time.
* There are 204 channels of audio in the theater.
* Producers had to create 20 different digital trees and use over **750 different roto shapes** to trace the trees to be able to add the effects to them.
* There are over 250 different versions of film shots.
* The aspect ratio of the projection screen in the Vision Theater is 6.14:1. This is almost **four times wider than typical high definition televisions.**

**WHITMER QUILT REPRODUCTION**

Approximately 1,500 hours of work went into reproducing a quilt from the Whitmer family. The reproduction is **valued at about $20,000.**

**JOSEPH SMITH’S CLOAK**

The mounting of the cloak for a long-term exhibit was of great concern. The weight of the cloak could cause its own damage. Some of the special features of this mount that minimize damage include:

1. A solid block of polyethylene foam mount hand-carved to match the contours of the cloak.
2. **22 rare earth magnets** that hold additional padding in place to ensure that the folds do not crush the fabric.
3. A curved false wall created to nestle behind the cloak and support the back.

The entire mount took over **260 hours to create.** (That does not include the design phase.)

**THE NAUVOO SUNSTONE**

* Moving the sunstone into the museum required 11 workers over 3.5 hours.
* The weight of the sunstone is estimated at **3,300 pounds.**
* Over 400 pounds of sand were used to create the faux stone ledges in the Nauvoo gallery.

**GENERAL DESIGN**

* Electrical engineering team of seven worked a total of 1,925 hours.
* Architectural and interior design team of 23 put in a grand total of 6,425 hours.
* Acoustical engineering team of two worked 140 hours.
* Mechanical and structural engineering included 10 people working a total of 780 hours.

