

## Master Planning Task Force

December 13, 2011

### Members

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|                           |                           |                             |                        |
|---------------------------|---------------------------|-----------------------------|------------------------|
| <b>P</b> Pier Oddone      | <b>A</b> Bruce Chrisman   | <b>A</b> Steve Holmes       | <b>P</b> Greg Bock     |
| <b>P</b> Vicky White      | <b>A</b> Bob Kephart      | <b>P</b> Giorgio Apollinari | <b>P</b> Mike Lindgren |
| <b>A</b> Roger Dixon      | <b>A</b> Steve Wiesenthal | <b>P</b> Randy Ortgiesen    | <b>P</b> Young-Kee Kim |
| <b>A</b> Patricia McBride | <b>A</b> Paul Czarapata   | <b>P</b> Peter Garbincius   | <b>P</b> Steve Dixon   |
| <b>P</b> Stuart Henderson | <b>P</b> Katie Yurkewicz  |                             |                        |

### Guests

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G. VanZandbergen, A. Federowicz, K. Riesselmann

#### **A. Atrium Utilization**

G. VanZandbergen (GV) presentation (attached) provided a general overview of the assumptions that were used to develop the concepts for the utilization of the modified atrium space. The following specific items were discussed:

1. It was noted that the use of the Atrium space is tied to the availability of the 15<sup>th</sup> floor of Wilson Hall in that the displays/exhibits anticipated for the Atrium could compliment the permanent exhibits on the 15<sup>th</sup> floor. As such, the Atrium could be just a pre-cursor with limited general information as well as directing the public to the 15<sup>th</sup> floor for more in-depth displays. The security restrictions concerning the 15<sup>th</sup> floor however restrict the public to guided tours. This may require that the Atrium level displays/exhibits be more in-depth and standalone since they will be the only source of information for self-guided visitors.
2. Currently, the 15<sup>th</sup> floor of Wilson Hall is not open to the general public on a self-guided tour and that in order to visit the 15<sup>th</sup> floor, a guided tour is necessary. This restricted access is related to a security agreement with DOE and any changes would require DOE approval. It was felt that this should be revisited due to the enhanced visitor experience available on the 15<sup>th</sup> floor.
3. It was noted that the general public is also restricted from the 2<sup>nd</sup> floor crossover.
4. Young-Kee Kim (YKK) stated that the new Atrium space should encourage interaction between users and provide for a meeting point as well as being more vibrant.
5. P. Garbincius (PG) noted that Building 40 at CERN is a good example of a space that encouraged interactions and informal meetings. Katie Yurkewicz (KY) pointed out that Building 40 is not open to the general public and may not be an apt comparison.
6. The raised floor tile was discussed. Several members mentioned that they were surprised by the appearance. GV stated that the color was not meant to match the existing pavers, but instead recall the concrete color found on the building structure. The appearance of the black anchors in the corner of the panels were noted as somewhat distracting. YKK stated that these sorts of choices should come before the Master Planning Task Force.
7. In general, the participants welcomed the new feeling of openness in the Atrium.
8. Seating/Gathering Spaces – The following topics concerning seating and gathering spaces were noted:

- a. It was noted that the space west of the Remote Operations Center would be used as a gathering space for tour groups in the area. As such the benches/tables could present an obstacle to the use of the space.
  - b. When the Intensity Frontier Operations Center is completed on the west side of the Atrium, it is expected that similar tour groups would gather on the west side as well.
  - c. VW noted that benches do not provide a good interaction experience and small café style tables often work better.
  - d. P. Oddone (PO) noted that benches are often uncomfortable and that thought should be given to making them as comfortable as possible.
  - e. The idea of moveable furniture was discussed as a means of providing for a flexible space.
  - f. R. Ortgiesen (RO) noted that the cost of the furniture is not included in the project at this point. It contingency is available, perhaps some furniture could be obtained later in the project.
9. Displays/Exhibits – The following topics concerning displays and exhibits were discussed:
- a. The relocation of the site model from the 15<sup>th</sup> floor of Wilson Hall to the Atrium was discussed. M. Lindgren (ML) noted that the existing model is somewhat dated and that site model that is more interactive would be better suited to the Atrium space. As an example, a model that could show the lab in the 70's along with the key accelerators and experiments along with a similar view at significant points in the Lab's history. Additional, the display could show what the Lab would look like in 10 years or 20 years in the future.
  - b. V. White (VW) recalled that at one time there was discussion concerning a globe suspended in the Atrium onto which images could be projected.
  - c. VW noted that electronic displays often do not work well with natural landscapes such as exists in the Atrium.
  - d. K. Riesselmann (KR) noted that the Office of Communication is in the process of testing a free-standing, interactive touch screen table. This would allow groups to gather around and experience the display. There are some concerns that the lighting levels in the Atrium space would reduce the visibility of the displays.
  - e. ML and Erik Gottschalk (EG) reported that electronic displays are often more useful and can be updated easier than posters. As an example, the informational posters between the elevators on both sides of the building could be replaced with electronic signage. The effort involved with developing, printing and posting the signage could be reduced while at the same time reducing the visual clutter at the elevators. KR pointed out that electronic signage requires maintenance and reported that the VMS display on the ground floor was discontinued for the lack of resources to keep it up to date. PG also noted that the information kiosk of the 15<sup>th</sup> floor was discontinued for the same reason.
  - f. YKK suggested that it might be best to start with posters in the Atrium space and have the displays evolve as the concepts are crystallized.
  - g. KY suggested that full size mock ups be installed and tested during the "tour season", which is the spring and fall of the year.
10. It was decided that the display that included the pendulum would not be re-installed.
11. There was a discussion of relocating a portion of the Cockcroft-Walton pre-accelerator into the Atrium when the device is decommissioned next year. It was decided that this equipment, while certainly interesting, depicts accelerator technology from the 1930's and probably doesn't provide the forward looking image for the Lab. It was felt that the device should be located accessible to visitors. One location to be considered is as sculpture in Swan Lake. It was noted that similar devices at CERN were popular with visitors.

**G. Action Items from This Meeting**

1. None noted.

**H. Previous Action Items**

1. IARC Employee Entry. Decision needed after discussions with stakeholders
2. Muon Campus Color Palette: G. Van Zandbergen requested to develop a color/material scheme for the area that includes mu2e and G-2.
3. B. Kephart was requested to assess the environmental, safety and health requirements of the planned/expected use of the existing CDF building and their impact on visitors.
4. Decision on landlord of IARC.
5. Follow up with shielding design for LArTF (MicroBooNE)
6. Follow up with P. Oddone with design approach for LArTF (YKK)
7. Obtain copies of Directorate Level Mission Readiness Documents from other laboratories (RO);
8. Develop proposed naming convention for projects and areas (KY);

**F. Next Meeting**

To be scheduled

# WH Atrium Utilization Concepts

## Audience

The audience for the atrium consists of:

- Employees
- Guided Tours
- Self-guided tours

# WH Atrium Utilization Concepts

## Guided tour requirements

- There should be space in the atrium for three groups of 20 persons at a time. Within the identified gathering area we only need to provide seating for 10 or so people.
- Docents will lead the group at these locations

# WH Atrium Utilization Concepts

## Self-Guided Tours

- For visitors that drop in, the atrium is the only place where they can learn about Fermilab.
- We will need to identify locations where we can display information, using various types of displays.
- Fair to assume that the north end of the atrium will be the starting point for visitors.
- Consider the use of electronic posters, touch screen video display tables, etc.

# WH Atrium Utilization Concepts

The five, preliminary exhibit themes:

- 1) Science at Fermilab
- 2) Technology
- 3) Benefits to Society
- 4) Fermilab is safe and green, an asset to the local community
- 5) International collaboration, real people

# WH Atrium Utilization Concepts

## Display Content

- . For the five separate themes consideration will be given to determine the best approach to communication of these topics as to whether it is done via electronic posters, free standing posters (either electronic or printed) or stationary displays (electronic or printed).

# WH Atrium Utilization Concepts

## Possibility of display cases

- . There may be some display cases, similar to those used currently by the Lederman Science Center.
- . For example one may contain products that are derived from our accelerator research and applications, and another may contain high tech items related to research at Fermilab. These will be about the size of the current glass display box under the east stair.

# WH Atrium Utilization Concepts

## Furniture

- Should be attached to the floor but be able to be moved if needed for occasions like the lab wide party.

## Directory

- Should include a directory of some sort near the entrance to area at the north end of the atrium. This should have some basic information, and should be welcoming and informative.

# WH Atrium Utilization Concepts

## Drama

- It is desirable for the central atrium to contain one highly visible “WOW” feature. One possibility might be the use of part of the Cockcroft Walton for this purpose. It is not yet known whether this could work. Other ideas should also be considered.

# WH Atrium Utilization Concepts

## Site Model

- The possibility of using the existing site model that is located on the 15<sup>th</sup> floor was discussed. We also discussed the possibility of using a large video screen mounted vertically or horizontally to display as an interactive site map. We could possibly utilize Google earth as the method to illustrate the site.





