

Cathedral Place

Steven Puchek
Milwaukee, WI

Lighting Proposal Memo – Cathedral Place

Proposal:

Development of spaces within Cathedral Place will follow a standard order as described in the proposal assignment. The building has available a large work space, a (number of) conference rooms), general circulation at the ground floor, and a variety of outdoor/parking spaces. These four will comprise the heart of the development.

The proposal includes a variance from the general requirements as discussed with Dr. Mistrick after the first Option Thesis Meeting. Given the lack of interior spaces made available by the clients and, subsequently, the architects, the large work space and special purpose rooms do not exist.

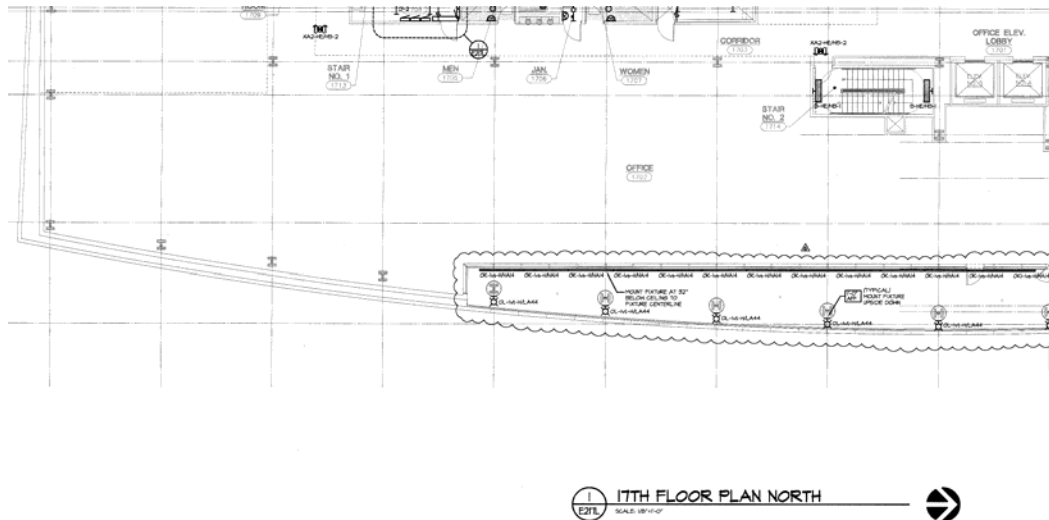
The interior spaces for the building to which I have access are empty tenant fit-out spaces that will be (re)designed by me under the tutelage of Professor Scott Wing as an architecture independent study. The spaces will be developed using the same architecture program the tenants that currently reside in the building used (as provided by Gensler). Thus, I can say with distinct certainty that a large open office plan is to be used in the Deloitte & Touche space, which will be more complex than the standard grey-wall-fabric cubicle with standard grid uplighting. Just the same, each floor has a distinct area “dedicated” to a conference or waiting area. For the Whyte Hirschboeck Dudek, S.C. law firm, this space is currently, and will be redesigned as, a conference room for confidential lawyer-client and in-house meetings. These four required rooms will most likely be complemented by additional spaces in the building such as a parking deck and associated lobby, as well as the 10th floor exterior pedestrian deck currently used as a common outdoor lounging area.

Cathedral Place

Steven Puchek
Milwaukee, WI

Large Work Space:

The large work space to be (re)designed will be the open office of the Deloitte & Touche space. The open office does not have definite dimensions, but will be sized approximately 80 feet long by 30 feet wide. This also depends on the future layout and design of the space. Needless to say this space is large, with few partitions, and a great number of individual spaces. To further describe the space requires a design, which is currently in progress. Tasks that will be performed in the space are typical of an office – filing, heavy computer use, fine-print paperwork and number-crunching, as well as open meeting and general circulation. Aesthetic comfort is to be maintained without overuse of lighting to account for the fine-detail work that is typically involved with an auditing firm. Of particular interest is the use of daylight in the space given the 100% glass curtain-wall construction. The lighting scheme will not depend on the mechanical systems, but the solar gain will have to be accounted for when daylighting is taken into consideration.

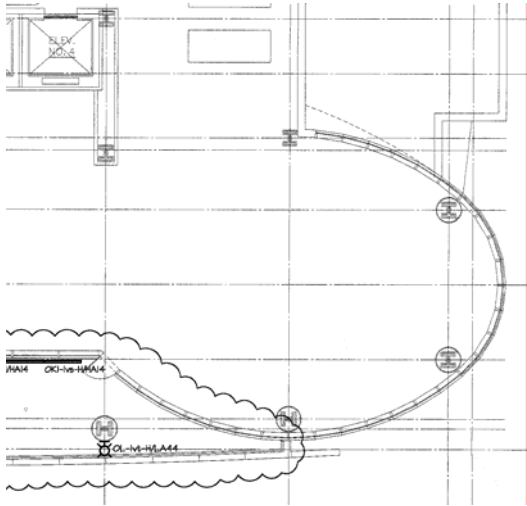


Cathedral Place

Steven Puchek
Milwaukee, WI

Special Purpose Space:

The special purpose room will be the conference/meeting area (or whatever develops in the oval area in the northeast corner of the building at each floor). This conference/meeting room is approximately 30 feet in the ellipse's larger dimension by 20 feet in the ellipse's smaller dimension. Within the conference space (also with exterior views and indirect daylighting) attorney-client meetings take place, as well as general company meetings, board meetings, video-conferencing (in some cases), and presentations. If the room is a waiting room, or client/company lounge, it is used for relaxation, patient waiting, reading, eating, and close conversation. The lighting scheme here will not depend heavily on the mechanical space either, and here, the daylighting will not add as much solar gain as direct light received on other parts of the building.



Cathedral Place

Steven Puchek
Milwaukee, WI

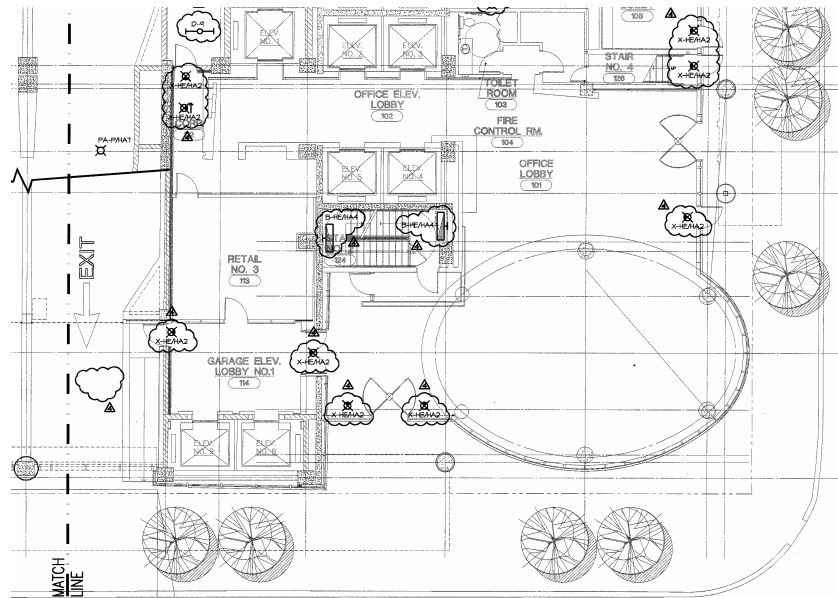
Circulation Space:

The circulation space will be the main entrance lobby on the ground floor. This entrance lobby has been requested to be redesigned by the building owner himself. Use of the current lighting fixtures (art pieces themselves) is mandatory, and special attention is wished to be addressed to the contrasting brightness in between the morning and evening hours. The lobby is U-shaped with a large portion of the area dedicated to the front façade (bottom of the “U”). This space is approximately 40 feet long by 20 feet wide with an 8 foot wide corridor/lobby for the elevator banks, and a 15 foot wide corridor at the east entrance. Activities here are limited distinctly to circulation and security monitoring (as the security desk is located here). There is little else in the lobby which adds to a feeling of emptiness and vast nothingness. Because of this, the tasks and activities here are restricted to walking, close conversation, computer-screen-monitoring, and waiting. For this reason, the space should be much more aesthetically pleasing than purely functional as there is little function that takes place there.



Cathedral Place

Steven Puchek
Milwaukee, WI



1 FIRST FLOOR PLAN NORTH
E201L SCALE: 1/8"=1'-0" 

Outdoor Space:

For the general requirement outdoor space, the north, east, and south façade of the building will be (re)designed. The east façade is split into an all-glass façade and a precast concrete façade, so the lighting should prove interesting, as well as differentiated. The building is approximately 400 feet long and 60 feet wide with the east façade being the longest dimension. Tasks here are few. The building sits directly next to the sidewalk with access from the street to the parking structure. Thus, the tasks performed are walking, driving, parking, and looking-at. Pictures of the building at night were not immediately available, but within a few weeks comparison and redesign will attempt to focus more attention on the buildings height and the grand glass façade. Light spill from the parking structure will also attempt to be eliminated through masking or better design within the parking structure (see complementary spaces).

Cathedral Place

Steven Puchek
Milwaukee, WI

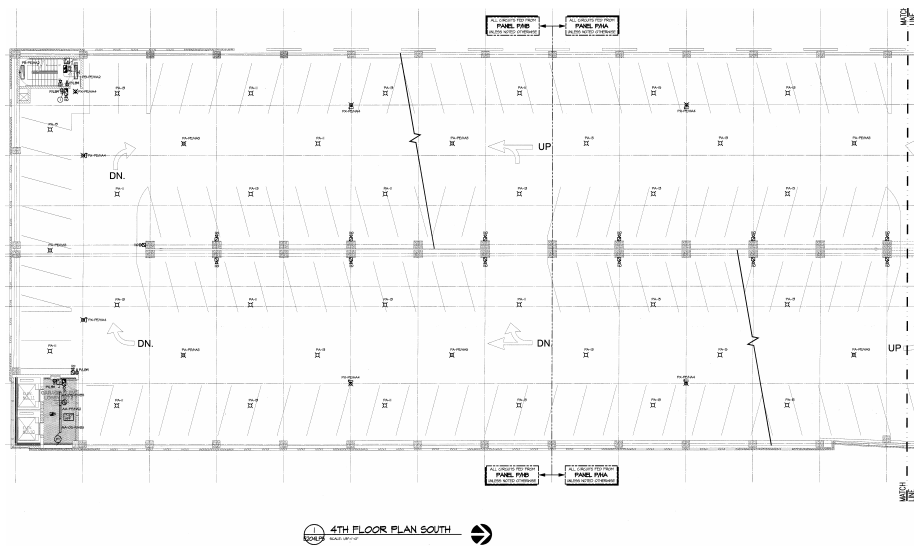


Cathedral Place

Steven Puchek
Milwaukee, WI

Complementary Space 1:

The parking structure may be chosen as the first complementary lighting space. The parking structure has a floor dimension of 240 feet by 40 feet at the south end of the building. While not a distinct architectural space, utilization of appropriate lighting where light-spill is extremely important provides a definite challenge for (re)design. So as to not overpower the façade lighting given the number of wall openings on each floor, strict light trespass requirements will have to be met. Tasks in this space include driving and parking cars, finding and identifying cars, maintaining personal safety (face recognition), and walking.



Complementary Space 2:

The exterior pedestrian deck may be chosen as the second complementary space. The pedestrian deck will follow much of a similar program as the main lobby as far as tasks and activities are concerned. Its size is also comparable to the main lobby at 25 feet wide by 35 feet long. The fact that it is outdoors is what would differentiate it from other spaces within the building. Safety and comfort would be very important while appropriate discretion for light levels and light trespass must be maintained as well. Given the deck's height, light trespass can easily spill over to adjacent residential and even far residential areas (residential towers in the immediate vicinity).

If the exterior deck is rolled into the parking structure design, another complementary space may be a single principal office within either of the two tenant spaces. A higher-class upper-echelon employee would require some distinct architectural lighting as well as having a larger space which the design would have to cover. Add to this fact that the office would be located at the glass curtain-wall facing east, west, or possibly south, and daylighting, solar gain, and associated dimming and shading controls would also have to be (re)designed. An office of this size would typically be 15 feet by 20 feet in either direction dependent on the outcome of the design I am preparing.