Wayne State University

Design and Construction Services

Parking Structure # 2 Lighting
WSU Project: 056-293338-2

Drawing List		
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10/26/2017	PS2L-5	Light Fixture Cable

General Notes:

1. The contractor to follow WSU-DCS standards: http://facilities.wayne.edu/design/index.php
2. Contractor to provide warranty per the bid's documents
3. All pathways to be field verify by contractor.
4. The contractor need to coordinate with AWD housing projects' contractor for access.

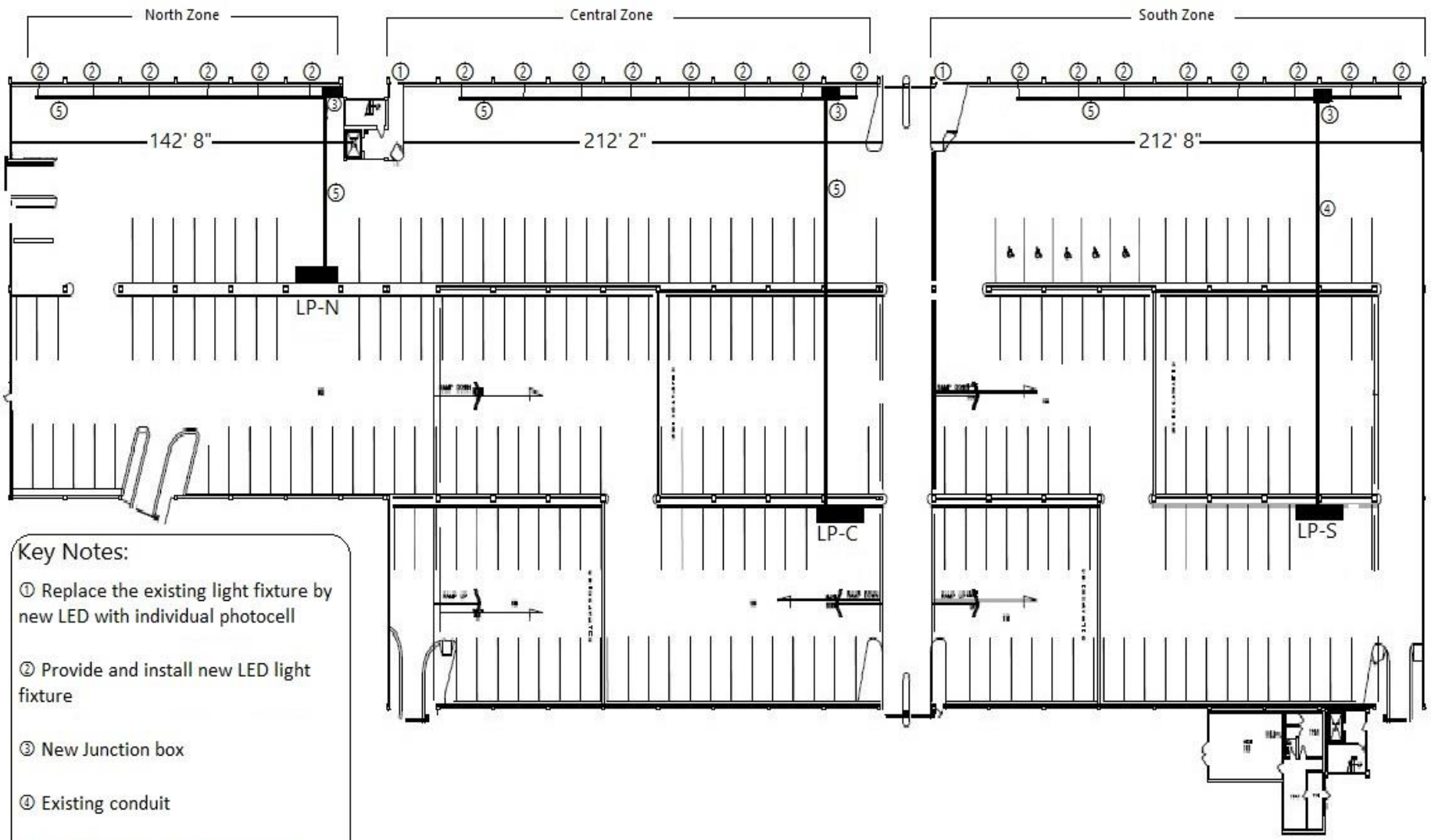
10/26/2017	PS2L-1	Cover Sheet

Light fixtures:

1. The contractor shall obtain WSU approval on the new LED light fixtures prior to installation.
2. The new conduit color shall match the exterior walls colors as close as possible without painting or light gray.
3. New conduits shall be PVC 40.
4. The conduit connection for the light fixtures and junction boxes shall be flexible. The conduit in the gap between the ramps shall be flexible.
5. The contractor shall confirm the capacity needed for the new LED light fixture's voltage can be met by the existing power supply.
6. The new LED light fixtures must be suitable for outdoor and wall mounted installation. The new LED light fixtures shall be 4000K.
7. The two light fixtures above the doors only shall be control by individual photocell.
8. The new LED light fixtures shall provide 3-foot candles at the sidewalk surface.
9. The (7) light fixtures on the south side shall be replaced by (7) new LED light fixture.
10. The number of the new light fixtures on the east side shall be according to supplier's study.
11. The new LED light fixtures housing shall be carbon-bronze or gray.
12. The existing panel voltage is 277-480V.
13. The existing panel has a remote contactor.
14. The new light fixtures on the east side are divided to South zone, Central zone and North zone. Each zone is powered and controlled by one panel as shown in the drawings.
15. Approved LED light fixture manufacturers: Lithonia, Cooper, Cree, RAP.

Scope of Work:

1. Remove the existing six (6) light fixtures located on the parking structure roof. Cap the conduits. It is the contractor responsibility to deliver the light fixtures to WSU holding area at 5454 Cass Avenue.
2. On the South Side of the Structure:
   Remove and dispose the existing seven (7) light fixtures (Keynote # 6). Replace the light fixtures with new LED light fixtures as recommended by the supplier. It is the contractor responsibility to confirm that all the existing wires are in good working conditions.
3. On the East Side of the Structure:
   A. Remove and dispose the two existing light fixtures (Keynote # 1).
   B. Provide new LED light fixtures design prepared by the light fixtures suppliers. The basis of design shall be on replacing the two existing light fixture and installing new light fixtures at the same height of the existing fixtures. Center the new light fixture between columns. The distance between the light fixtures shall be equal.
   C. Provide new (3) junction boxes as shown in the drawings
   D. Use the existing conduit from panel LP-S to the new junction box in the south zone, run new wires. Run new conduits and wires from the junction box to the new light fixtures.
   E. Run new conduit and wires from panel LP-C to the new junction box in the central zone. Run new conduits and wires from the junction box to the new light fixtures.
   F. Run new conduit and wires from panel LP-N to the new junction box in the north zone. Run new conduits and wires from the junction box to the new light fixtures.



Key Notes:

① Replace the existing light fixture by new LED with individual photocell

② Provide and install new LED light fixture

③ New Junction box

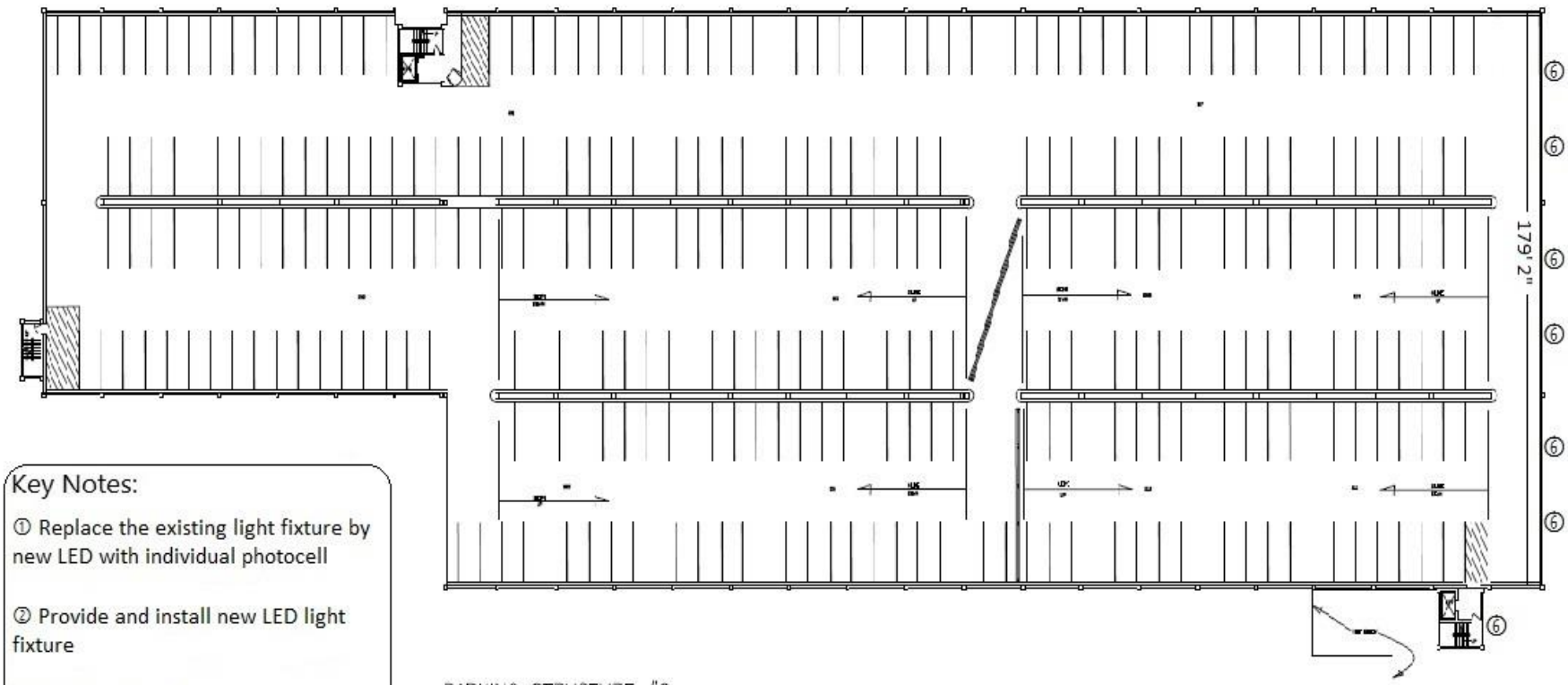
④ Existing conduit

⑤ Provide and install new conduit

⑥ Replace the existing light fixture by new LED light fixture

⑦ Disconnect and remove the existing light fixture. Cap the existing conduits

10/26/2017	PS2L-2	First Floor Plan



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PARKING STRUCTURE #2

JOHN C LEDGE

BUILDING #056
SECOND LEVEL FLOOR

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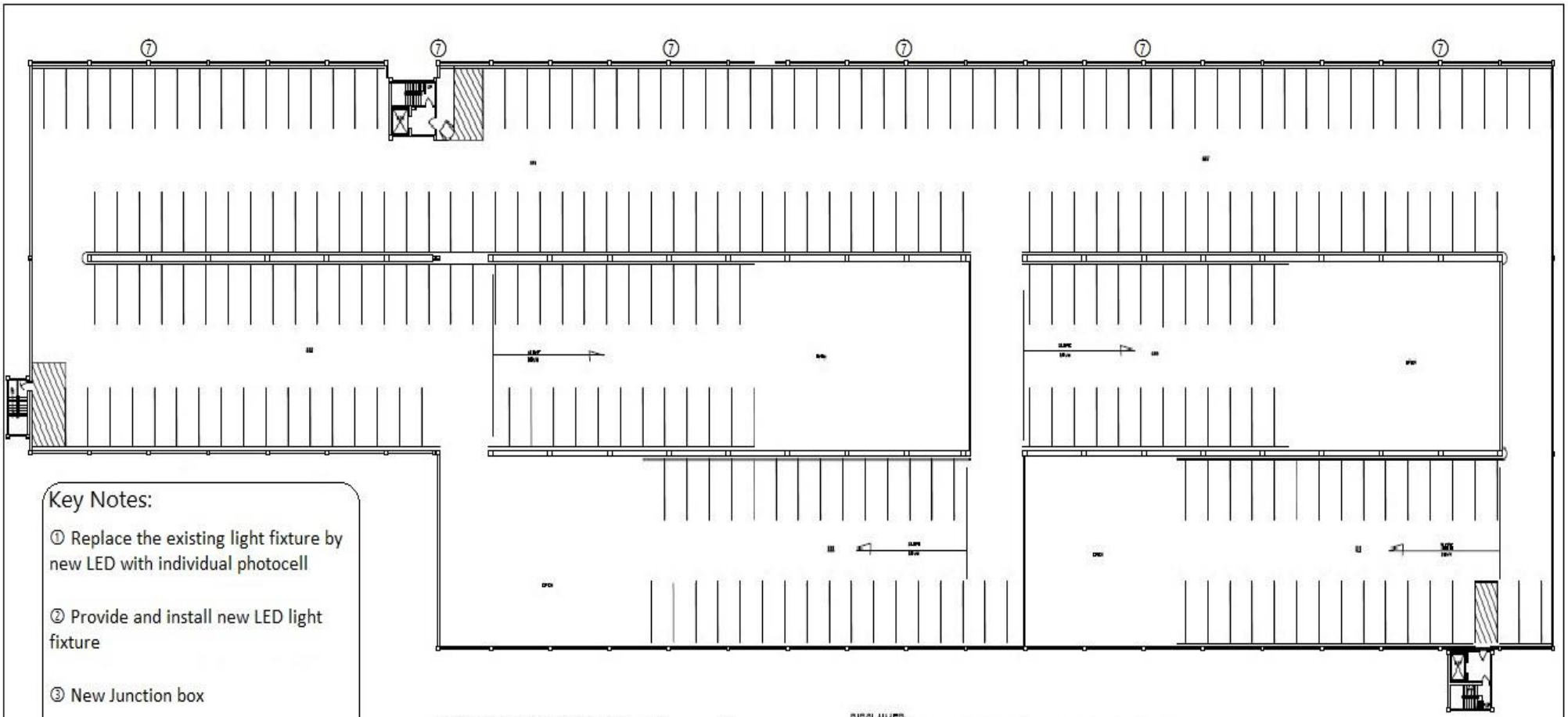
10/26/2017	PS2L-3	Second Floor Plan



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④ Existing conduit

⑤ Provide and install new conduit

⑥ Replace the existing light fixture by new LED light fixture

⑦ Disconnect and remove the existing light fixture. Cap the existing conduits

PARKING STRUCTURE #2

BUILDING #056

ROOF LEVEL

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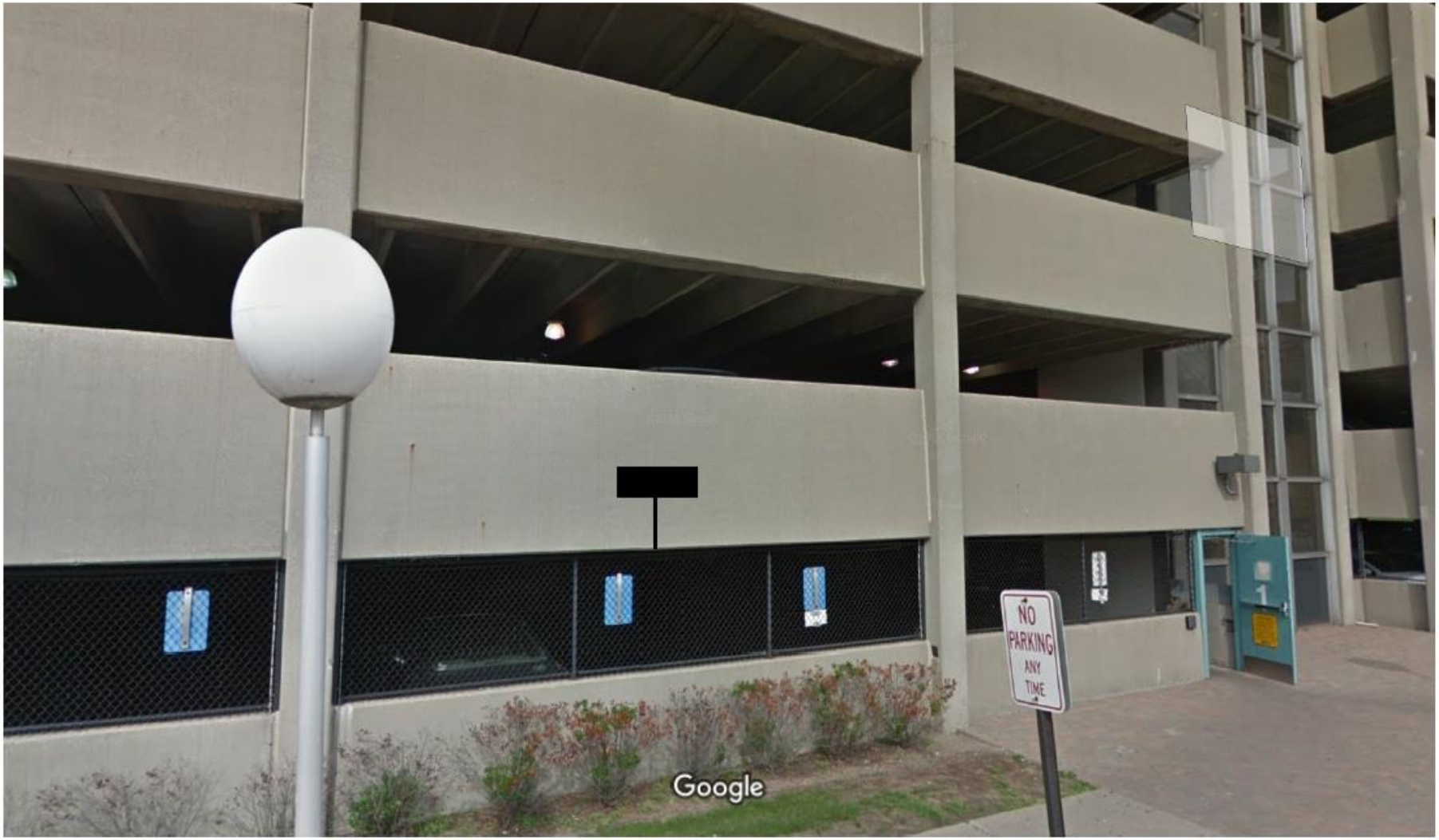
10/26/2017	PS2L-4	Roof Plan



10/26/2017	PS2L-5	Light Fixture Cable