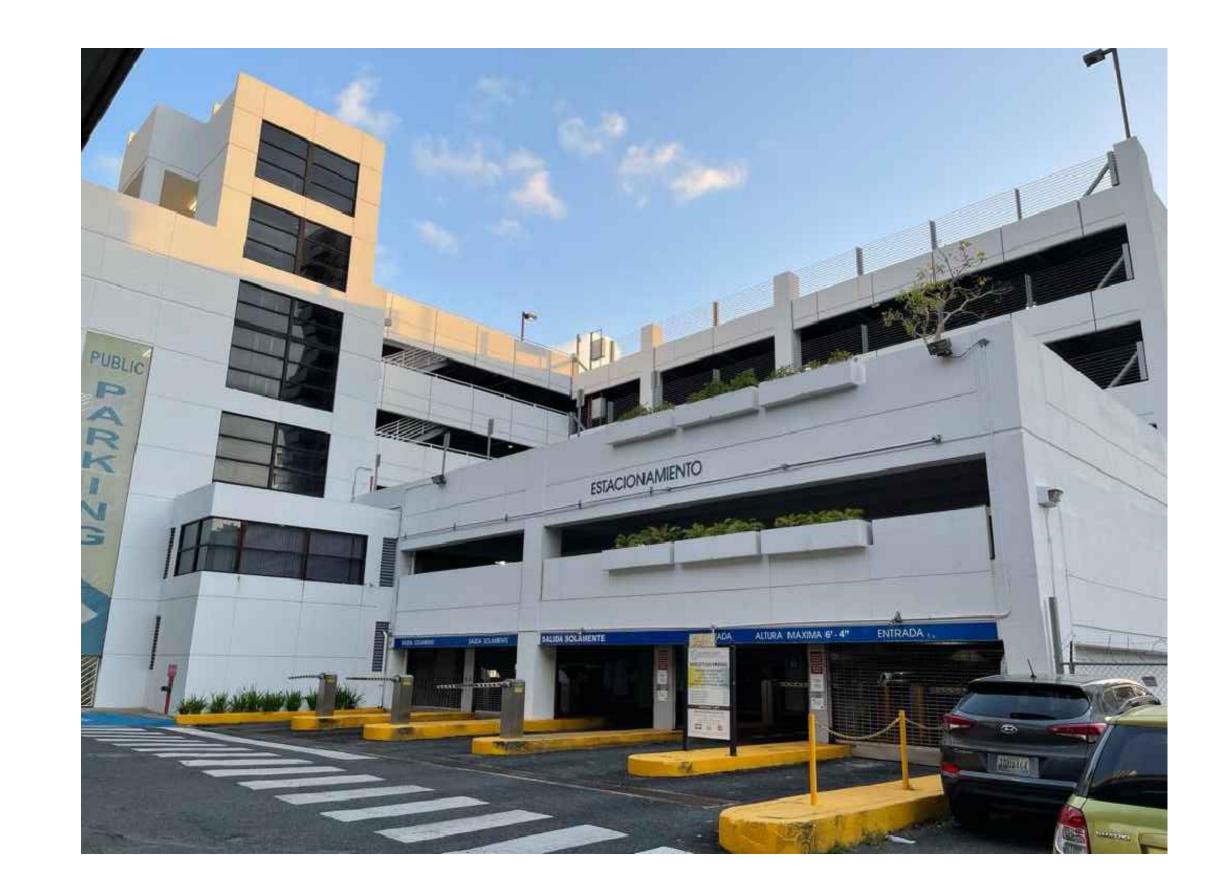
# PARKING LOT IMPROVEMENT

FIRST LEVEL; SECOND LEVEL; THIRD LEVEL; FOURTH LEVEL; FIFTH LEVEL & SIXTH LEVEL

# OFICINA DE ADMINISTRACION DE LOS TRIBUNALES EDIFICIO WORLD PLAZA 268 AVE. MUÑOZ RIVERA, SAN JUAN P.R.



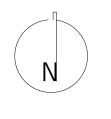
## **EXISTING AND GENERAL CONDITIONS**

- 1.THE CONTRACTOR WILL VISIT THE WORKPLACE TO VERIFY THE EXISTING MEASURES AND CONDITIONS.
- 2.CONTRACTOR IS RESPONSIBLE FOR THE WAYS AND METHODS OF CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND INFORMATION WITH THE PHYSICAL CONDITION OF THE BUILDING TO ENSURE THEY ARE CORRECT
- IT IS THE DIRECT RESPONSIBILITY TO MAKE OAT PERSONNEL KNOW OF ANY DISCREPANCY IN EXISTING CONDITIONS BEFORE AWARDING THE PROJECT AND CONSULT OAT WHO CONTACT ARCHITECT OR ENGINIEER IN RECORD.
- 5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR ALL MATERIAL, LABOR AND ANY EQUIPMENT NECESSARY FOR THE EXECUTION OF THE WORKS.
- THE SAFETY OF THE SITE, WORKERS AND OAT PERSONNEL IS THE RESPONSIBILITY OF THE CONTRACTOR WHILE THEY ARE EXECUTING THE PROJECT AND SHALL BE RESPONSIBLE FOR PROTECTING ANY SERVICES THAT THEY FIND IN THE AREA UNDER CONSTRUCTION, NOT LIMITED TO PLUMBING, ELECTRICAL, GAS AND POTABLE WATER SERVICES. AND SANITARY, TELEPHONY AND CABLE SERVICE THAT MAY BE AFFECTED BEFORE AND DURING THE IMPROVEMENT WORK
- CONTRACTOR SHALL PROTECT EXISTING FACILITIES, STRUCTURES AND UTILITY LINES FROM ALL DAMAGE
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOAD, TRANSPORT

AND DISPOSE OF ALL DEBRIS GENERATED AS PART OF THE WORKS EXECUTED AS PART OF THE SCOPE OF WORK. ALL MATERIAL RESULTING FROM THE WORK MUST BE REMOVED SAFELY OUT OF THE PROJECT. STORAGE OF DEBRIS WILL NOT BE ALLOWED IN THE BUILDING FOR MORE THAN THREE CONSECUTIVE DAYS

- 9. ANY WORK TO BE PERFORMED MUST COMPLY WITH ACCESSIBILITY STANDARDS AND IN COMPLIANCE WITH THE "2010 ADA STANDARD FOR ACCESIBLE DESIGN AND THE FEDERAL UNIFORM ACCESSIBILITY STANDARD"
- 10. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE 2028 IBC, 2028 IEBC AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODE, STANDARDS, REGULATIONS AND LAWS.
- 11. LIQUID DAMAGES FOR DELAY WILL BE DISCUSSED AT THE TIME OF PRE-PURCHASE
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE, IF THE PROJECT IS AWARDED, TO HAVE THE CORRESPONDING INSURANCE, WHICH GUARANTEES THE COVERAGE OF THE POSSIBLE DAMAGES CAUSED BY THEM IN THE PROJECT.
- 13. THE SPECIFICATIONS TO BE USED ARE THOSE THAT APPLY ACCORDING TO THE WORKS REQUIRED IN THE LAST SECTION OF THIS SET OF PLANS.
- 14. THE MATERIALS TO BE USED MUST BE 100% FREE OF ASBESTOS AND LEAD.
- 15.THESE DRAWINGS ARE CONSIDERED AS THE FINALS. CATEGORY: "ISSUES FOR CONSTRUCTION"





## LOCATION

O BTAINED FROM: JUNTA DE PLANIFICACIÓN DE PUERTO RICO | GEOLOCALIZADOR- MIPR

Junta de Planificación. Programa de Sistema de Información Geográfica | Esri, HERE, Garmin, INCREVENT P, NGA, USGS

Catastro: 063-031-639-02 Coordenadas Nad83 x: 2359564.2074, y: 265481.8088 (Lat: 18.42458962, Lon: -66.05884430)

**TOPOGRAPHY** 

RICO | GEOLOCALIZADOR- MIPR

referirse al mapa de calificacion vigente.

referirse al mapa de calificacion vigente.

Clasificación PUT: SU 99%. VIAL 1%

Zona Cársica)

Zona Histórica:

Sitio Histórico:-

SAN JUAN, PUERTO RICO

OBTAINED FROM: JUNTA DE PLANIFICACIÓN DE PUERTO

Junta de Planificación. Programa de Sistema de Información Geográfica | Esri, HERE, Garmin, INCREMENT P, NGA, USGS

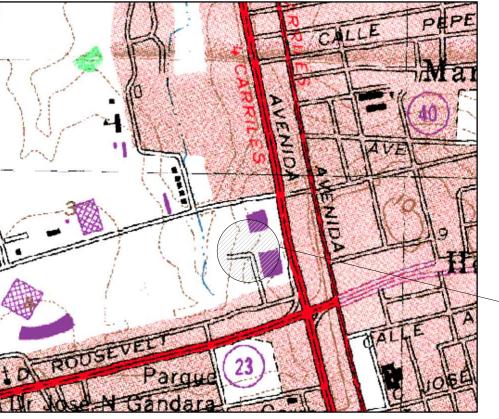
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Clasificación PT: Oficializacion del geodato en proceso, favor de

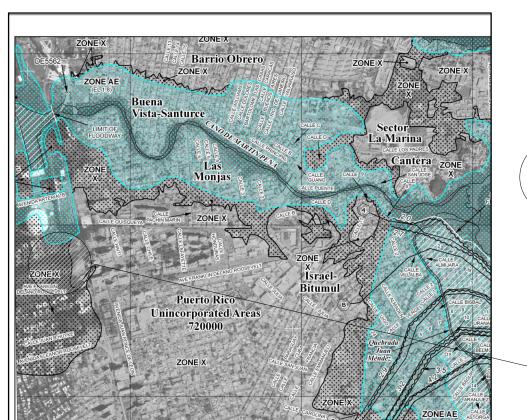
Distrito Sobrepuesto: APE-ZC (Área de Planificación Especial

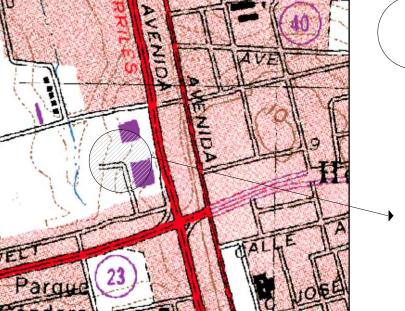


268 AVE. MUÑOZ RIVERA SAN JUAN P.R.









# FLOOD MAP

OBTAINED FROM: JUNTA DE PLANIFICACIÓN DE PUERTO RICO | MAPA NIVELES DE INUNDACIÓN BASE

Junta de Planificación. Programa de Sistema de Información Geográfica | Esri, HERE, Garmin, INCREMENT P, NGA, USGS

Zona Inundabilidad Advisory:X

Zona Inuundabilidad (Firm):

Panel de Inundabilidad:72000C0365J

Floodway: NO UBICA EN FLOODWAY Suelo (NRCS): SNS (Soil not surveyed)

0 6 3 - 0	3 1 - 6	3 9 - 0 2
REVISION	NS	
REV. DATE	DESCRIPTION	N BY CHK'D
	_	

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SIT COMMENCING OF THE WORK

IMPORTANT NOTES TO THE CONTRACTOR

THEY EXPRESSLY DESIGNED



654 Ave. Muñoz Rivera -Suite 1838 - 654 Plaza, San Juan, PR 00738 Tel. (787) 918-5890 / 5891 Email: info@ingenium.group

SIGNATURE



INGENIUM PROFESSIONAL GROUP, PS Eng. W. Meléndez Rivas, #16383

May 11, 2022

TITLE PAGE

DRAWING NO.

S-100 STRUCTURAL DETAILS

SHEET CODE TITLE PAGE PARKING AS- BUILT\_FIRST LEVEL PROPOSED STRUCTURAL RECOMMENDATIONS\_FIRST LEVEL EXISTING LIGHTING\_FIRST LEVEL PROPOSED LIGHTING\_FIRST LEVEL PARKING AS- BUILT\_SECOND LEVEL PROPOSED STRUCTURAL RECOMMENDATIONS\_SECOND LEVEL E-102 EXISTING LIGHTING\_SECOND LEVEL PROPOSED LIGHTING\_SECOND LEVEL

11 A-102 PROPOSED STRUCTURAL RECOMMENDATIONS\_THIRD LEVEL 12 E-104 EXISTING LIGHTING\_THIRD LEVEL

13 E-105 PROPOSED LIGHTING\_THIRD LEVEL PARKING AS- BUILT\_FOURTH LEVEL

10 C-102 PARKING AS- BUILT\_THIRD LEVEL

PAGE INDEX

PROPOSED STRUCTURAL RECOMMENDATIONS\_FOURTH LEVEL EXISTING LIGHTING\_FOURTH LEVEL

17 E-107 PROPOSED LIGHTING\_FOURTH LEVEL PARKING AS- BUILT\_FIFTH LEVEL PROPOSED STRUCTURAL RECOMMENDATIONS\_FOURTH LEVEL

EXISTING LIGHTING\_FIFTH LEVEL PROPOSED LIGHTING\_FIFTH LEVEL

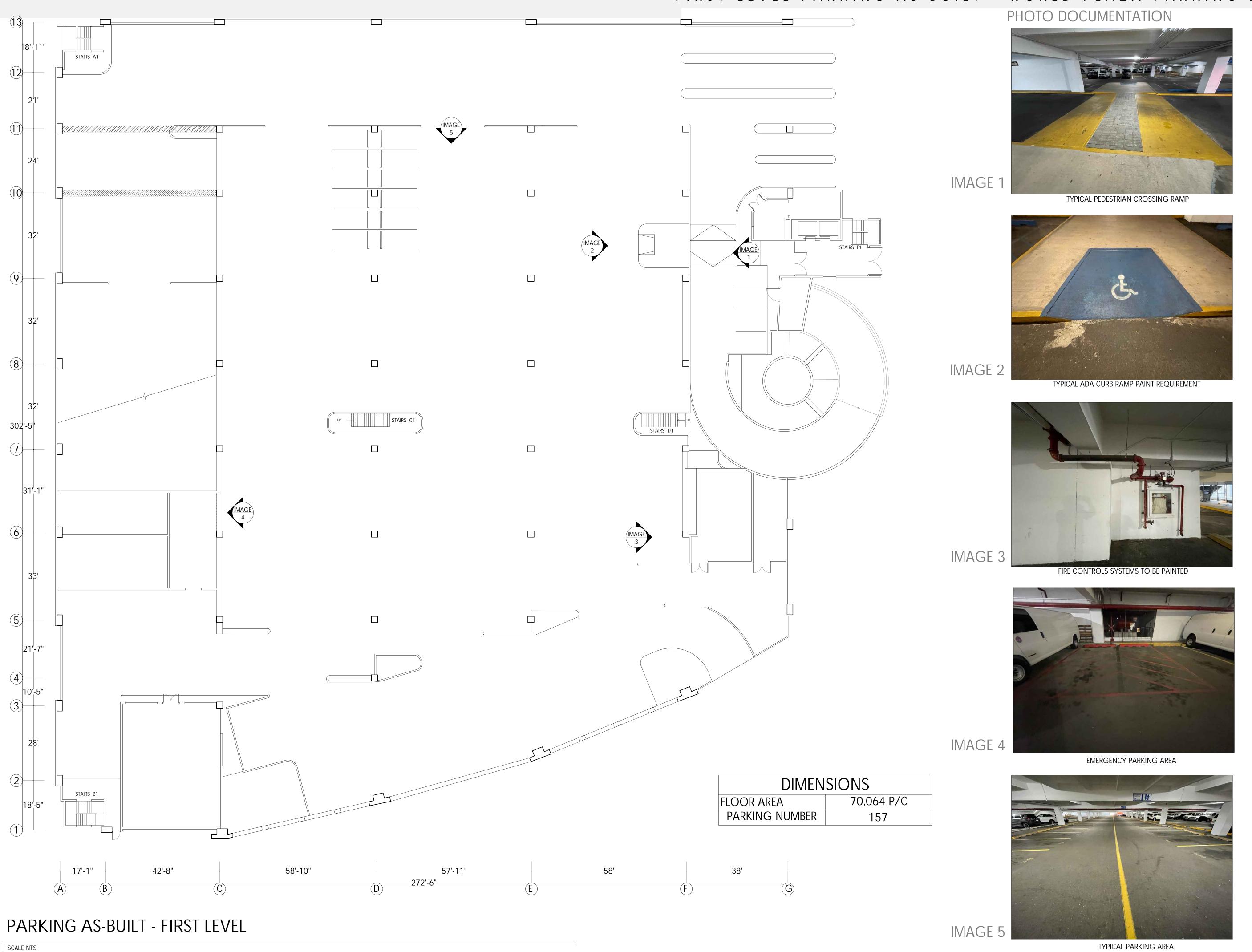
PARKING AS-BUILT\_SIXTH LEVEL PROPOSED STRUCTURAL RECOMMENDATIONS\_SIXTH LEVEL

PROPOSED POLYCARBONATE ROOF BLOWUP SIXTH LEVEL EXISTING LIGHTING SIXTH LEVEL

PROPOSED LIGHTING\_SIXTH LEVEL E-111 C-500

PROPOSED DETAILS IPR PROPOSED DETAILS II

## FIRST LEVEL PARKING AS BUILT - WORLD PLAZA PARKING LOT IMPROVEMENT



ADDRESS

268 AVE. MUÑOZ RIVERA SAN JUAN P.R.

PODER JUDICIAL

REGISTER NO.

0 6 3 - 0 3 1 - 6 3 9 - 0 2

REVISIONS

REV. DATE DESCRIPTION BY CHK'D

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CERTIFICATION

PROFESSIONAL WHO [MADE, DESIGNED OR PREPARED] THESE PLANS AND THE COMPLEMENTARY SPECIFICATIONS. I ALSO CERTIFY THAT UNDERSTAND THAT SAID PLANS AND SPECIFICATIONS COMPLY WITH APPLICABLE PROVISIONS OF THE REGULATIONS AND BUILDING CODES IN FORCE OF THE AGENCIES, REGULATORY BOARDS OR PUBLIC CORPORATIONS WITH JURISDICTION. I FURTHER CERTIFY THAT THE PREPARATION OF THESE PLANS AND SPECIFICATIONS HAS FULLY COMPLIED WITH THE PROVISIONS OF LAW 14-2004, AS AMENDED KNOWN AS THE "LAW FOR INVESTMENT BY THE PUERTO RICAN INDUSTRY" AND WITH THE [LAW NO. 319 OF MAY 15, 1938, AS AMENDED; ACT NO. 96 OF JULY 6, 1978, AS AMENDED; AS APPLICABLE]. ACKNOWLEDGE THAT ANY FALSE STATEMENT OR MISREPRESENTATION OF FACTS THAT HAS BEEN PRODUCED BY IGNORANCE OR NEGLIGENCE EITHER BY ME, MY AGENTS OR EMPLOYEES, OR BY OTHERS WITH MY KNOWLEDGE, MAKES ME RESPONSIBLE FOR ANY JUDICIAL AND DISCIPLINARY ACTION BY THE OGPE.



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SIGNATURE



Drawn by: INGENIUM PROFESSIONAL GROUP,PSC Revised by: Erg. W. Meléndez Rivas, #16383

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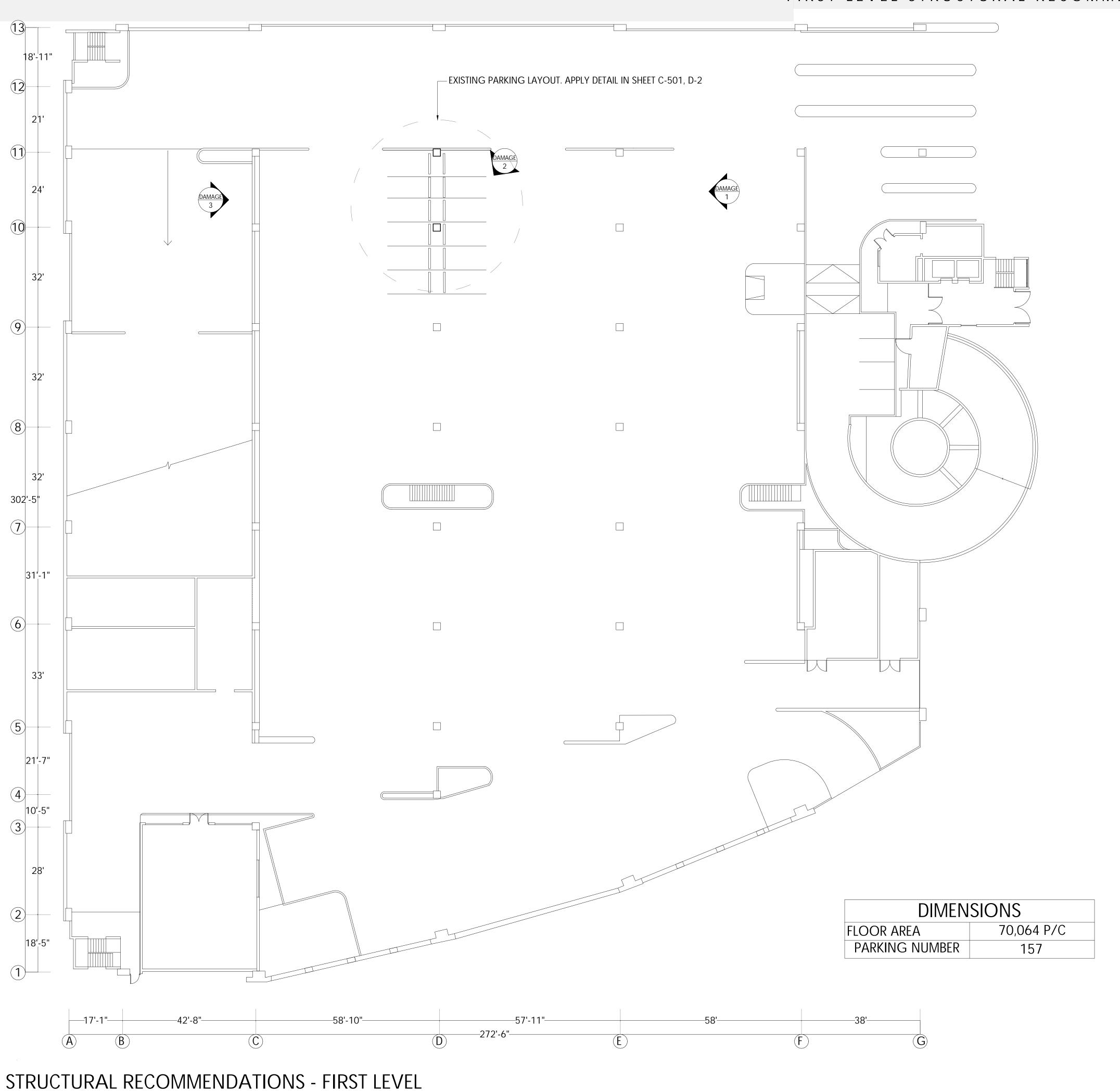
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TITLE

PARKING AS-BUILT-FIRST LEVEL

DRAWING NO.

C-100



## PHOTO DOCUMENTATION



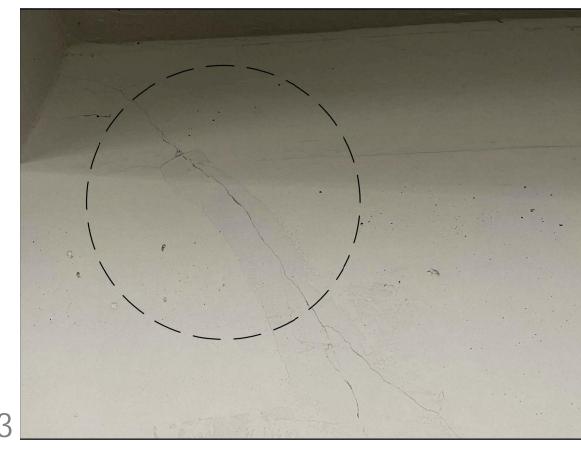
DAMAGE





DAMAGE 2

WHEEL-STOPS WITH INADEQUATE SUPPORT



DIAGONAL CRACKING OF RC POST-TENSIONED BEAMS

DAMAGE 3

	RECOMMENDATIONS
DAMAGE	DESCRIPTION
1	WHEN OCCURS, APPLY TABLE R606.2.8 AND PLASTERING RECOMMENDATION ON SHEET 502, DETAIL A-2
2	WHEN OCCURS, APPLY RECOMMENDATIONS ON SHEET C-501, DETAIL D-2
3	WHEN OCCURS, APPLY RECOMMENDATION ON SHEET 502, DETAIL A-8

## **GENERAL NOTES**

1. CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING PARKING LOT WITH 3500 PSI PRESSURE WASHING PRIOR TO CORRECTION OF CRACKS AND APPLICATION OF NEW PRODUCT

2.PLACE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PUBLISHED BY THE FEDERAL HIGH WAY ADMINISTRATION SUPPLEMENT TO THE MUTCD.

3. PARKING LINE SHALL BE 4" WIDE AND PAINTED WITH REFLECTORIZED YELLOW TRAFFIC PAINT, WITH FINISHED APPLICATIONS NOT LESS THAN 3 MLS DRY THICKNESS. HANDICAPPED PARKING LINES & SYMBOL SHALL BE PAINTED BLUE.

## ADDRESS

268 AVE. MUÑOZ RIVERA SAN JUAN P.R.

PODER JUDICIAL

REGISTER NO.

0 6 3 - 0 3 1 - 6 3 9 - 0 2

REVISIONS

REV. DATE DESCRIPTION BY CHK'D

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Progress Print:

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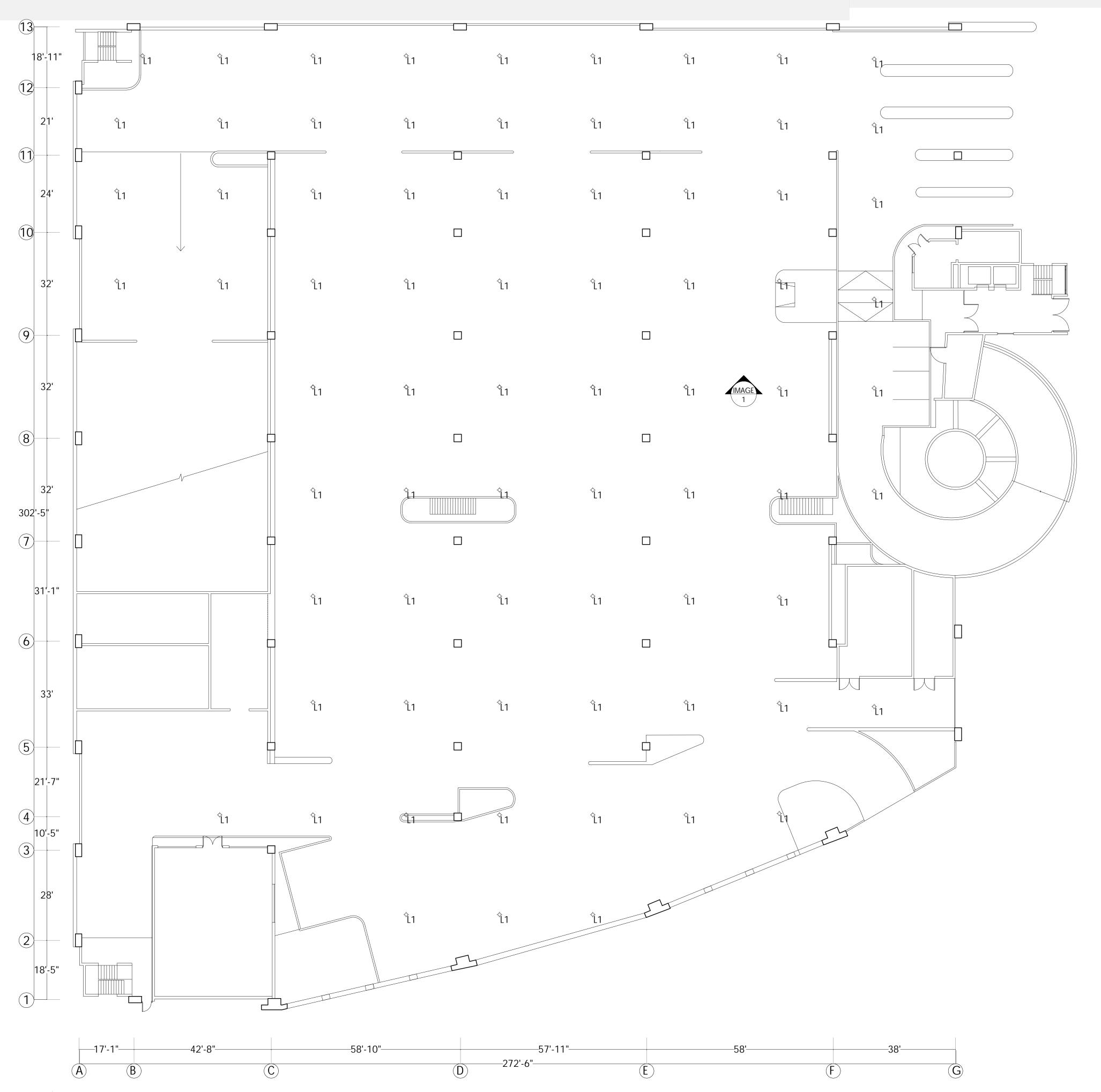
STRUCTURAL RECOMMENDATIONS-FIRST

LEVEL

3/30

DRAWING NO.

A-100



EXISTING LIGHTING- FIRST LEVEL

SCALE NTS

TYPE CONDITION QTY DESCRIPTION L1 EXISTING LIGHTING

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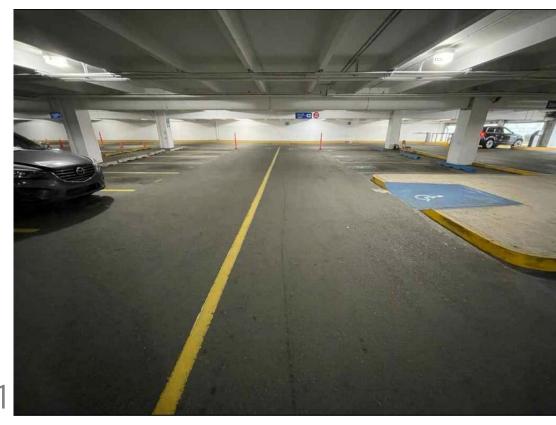


IMAGE 1

**EXISTING LIGHTING** 

**GENERAL NOTES** 

1.LIGHTING REPLACEMENT WORK INCLUDES THE REMOVAL AND DISPOSAL OF EXISTING LIGHTS.

2.THE INTERIOR LIGHTING WILL BE REPLACED BY LAMPS OF THE LED SYSTEM, WITH DIMENSIONS OF 2'X4' AND 4 TUBES WITH "ELECTRONIC BALLAST" AND USE A PRODUCT EQUAL OR SIMILAR TO LITHONIA LIGHTING, "WRAP AROUND" 2'X4'.

3.IT MUST BE VERIFIED THAT THE PHOTOCELLS ARE WORKING CORRECTLY. THE INSTALLATION OF PHOTOCELLS MUST BE PROVIDED IN ALL CORRIDOR LAMPS.

## 4.OUTDOOR SPOTLIGHT IP-66.

5.THE DIAGRAM OF THE CIRCUITS, LOCATION OF SWITCHES AS WELL AS THE LOCATION OF THE PROPOSED LAMPS INDICATED ON THE PLANS IS MERELY DIAGRAMICAL AND APPROXIMATE. THE EXACT LOCATION OF THE PIPING AND OTHER ELECTRICAL INSTALLATIONS WILL BE SUBJECT TO THE STRUCTURAL AND CONSTRUCTION CONDITIONS, THEY WILL BE CONNECTED TO THE MAIN BOARD. CONTRACTOR SHOULD SUBMIT SHOP DRAWINGS OF ELECTRICAL CONNECTIONS TO DESIGNER FOR APPROVAL PREVIOUSLY RECOMMENDED BY AN ELECTRICIAN.

ADDRESS

268 AVE. MUÑOZ RIVERA SAN JUAN P.R.

OWNER

PODER JUDICIAL

0 6 3 - 0 3 1 - 6 3 9 - 0 2

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REGISTER NO.

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CERTIFICATION

THE APPLICABLE PROVISIONS OF THE JOINT REGULATIONS AND THE APPLICABLE PROVISIONS OF THE REGULATIONS AND BUILDING CODES IN FORCE OF THE AGENCIES, REGULATORY BOARDS OR PUBLIC CORPORATIONS WITH JURISDICTION. I FURTHER CERTIFY THAT THE PREPARATION OF THESE PLANS AND SPECIFICATIONS HAS FULLY COMPLIED WITH THE PROVISIONS OF LAW 14-2004, AS AMENDED, KNOWN AS THE "LAW FOR INVESTMENT BY THE PUERTO RICAN MINISTERS" AND WITH THE LIAW NO. 210. OF MAY 15. 1329. AS INDUSTRY" AND WITH THE [LAW NO. 319 OF MAY 15, 1938, AS AMENDED; ACT NO. 96 OF JULY 6, 1978, AS AMENDED; AS APPLICABLE]. ACKNOWLEDGE THAT ANY FALSE STATEMENT OR MISREPRESENTATION OF FACTS THAT HAS BEEN PRODUCED BY IGNORANCE OR NEGLIGENCE EITHER BY ME, MY AGENTS OR EMPLOYEES, OR BY OTHERS WITH MY KNOWLEDGE, MAKES ME RESPONSIBLE FOR ANY JUDICIAL AND DISCIPLINARY ACTION BY THE OGPE.



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SIGNATURE



Dwg Name: ESTACIONAMIENTO WORLD PLAZA GROUND.dwg Drawn by: INGENIUM PROFESSIONAL GROUP,PSC Revised by: Eng. W. Meléndez Rivas, #16383 Plot Scale:

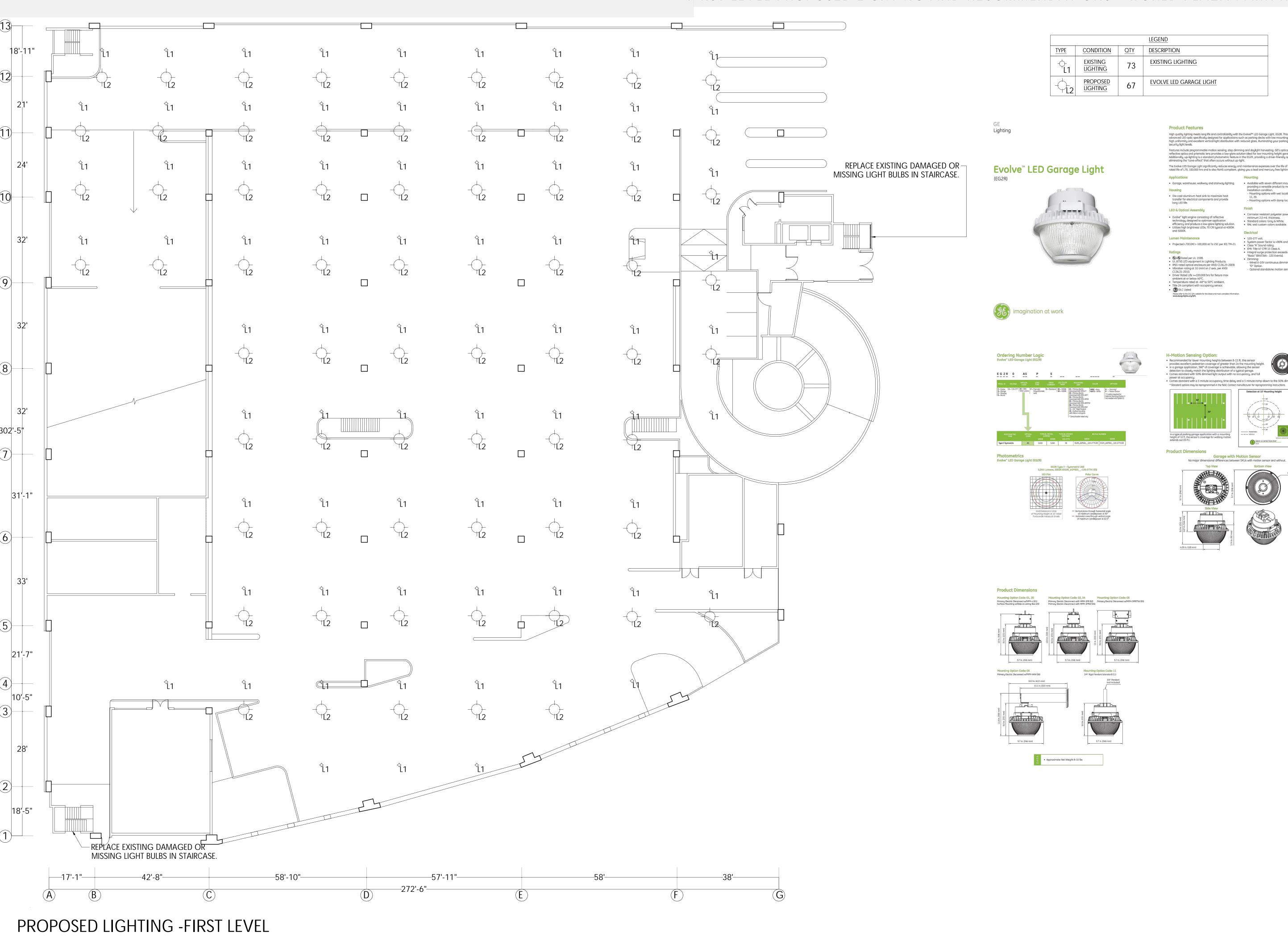
TITLE

**EXISTING LIGHTING- FIRST** 

LEVEL

DRAWING NO.

E-100



ADDRESS

268 AVE. MUÑOZ RIVERA SAN JUAN P.R.

REVISIONS

PODER JUDICIAL

REGISTER NO.

0 6 3 - 0 3 1 - 6 3 9 - 0 2

REV. DATE DESCRIPTION BY CHK'D

High quality lighting meets long life and controllability with the Evolve<sup>IM</sup> LED Garage Light, EG2R. This fixture features an advanced LED optic specifically designed for applications such as parking decks with low mounting heights to provide high uniformity and excellent vertical light distribution with reduced glare, Illuminating your parking area with effective security light levels. Features include programmable motion sensing, step dimming and daylight harvesting. GE's optical approach with reflective optics and prismatic lens provides a low-giare solution ideal for low mounting height garage applications. Additionally, up-lighting is a standard photometric feature in the GEZR, providing a driver-friendly appearance, and eliminating the "cave-effect" that often occurs without up-light.

Available with seven different mounting options providing a versatile product to meet almost any field installation condition.

Mounting options with wet location rating: 04, 05, 06, 11, 20.

Mounting options with damp location rating: 01, 02. Garage, warehouse, walkway and stairway lighting.

S./A. listed per UI. 1598.
 UI. 8750 LED equipment in Lighting Products.
 IP65 rated optical enclosure per ANSI C136.25-2009.
 Vibration rating at 16 (min) on 2 axis, per ANSI C136.31-2010.
 Driver Rated Life >=100,000 hrs for fixture max ambient at or below 40°C.
 Temperature rated at ~40° to 50°C ambient.
 Title 24 compliant with occupancy sensor.

Corrosion resistant polyester powder painted, minimum 2.0 mil. thickness.
 Standard colors: Gray & White.
 RAL and custom colors available.

120-277 volt.
System power factor is >90% and THD <20%
Class "A" Sound rating.
EMI: Title 47 CRF 15 Class A.
Integral surge protection exceeds ANSI C136.2-2015
"Basic" (6K//3KA - 120 Events).
Dimming:
Wired 0-10V continuous dimming. Order with
"0" Option.
Optional standalone motion sensor dimming.

PEDESTRIAN - 30'

IMPORTANT NOTES TO THE CONTRACTOR: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE PROCEEDING WITH WORK. IF ANY DISCREPANCIES, ERRORS OR OMISSIONS SHOULD BE ENCOUNTERED ON PLANS, CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE ANY PART OF THE WORK IS STARTED SO THAT PROPER CORRECTIONS ARE MADE. IF ENGINEER IS NOT NOTIFIED PRIOR TO C O M M E N C I N G O F T H E W O R K .

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CERTIFICATION I. WILLIAM MELENDEZ RIVAS, LIC. 16383, CERTIFY THAT I AM THE PROFESSIONAL WHO [MADE, DESIGNED OR PREPARED] THESE PLANS
AND THE COMPLEMENTARY SPECIFICATIONS. I ALSO CERTIFY THAT I
UNDERSTAND THAT SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE PROVISIONS OF THE JOINT REGULATIONS AND THE APPLICABLE PROVISIONS OF THE REGULATIONS AND BUILDING CODES IN FORCE OF THE AGENCIES, REGULATORY BOARDS OR PUBLIC CORPORATIONS WITH JURISDICTION. I FURTHER CERTIFY THAT THE PREPARATION OF THESE PLANS AND SPECIFICATIONS HAS FULLY COMPLIED WITH THE PROVISIONS OF LAW 14-2004, AS AMENDED, KNOWN AS THE "LAW FOR INVESTMENT BY THE PUERTO RICAN INDUSTRY" AND WITH THE [LAW NO. 319 OF MAY 15, 1938, AS INDUSTRY: AND WITH THE ILAW NO. 319 OF MAY 15, 1938, AS AMENDED; ACT NO. 96 OF JULY 6, 1978, AS AMENDED; AS APPLICABLE]. I ACKNOWLEDGE THAT ANY FALSE STATEMENT OR MISREPRESENTATION OF FACTS THAT HAS BEEN PRODUCED BY IGNORANCE OR NEGLIGENCE EITHER BY ME, MY AGENTS OR EMPLOYEES, OR BY OTHERS WITH MY KNOWLEDGE, MAKES ME RESPONSIBLE FOR ANY JUDICIAL AND DISCIPLINARY ACTION BY THE OGPE.

INGENIUM PROFESSIONAL GROUP PSC

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SIGNATURE



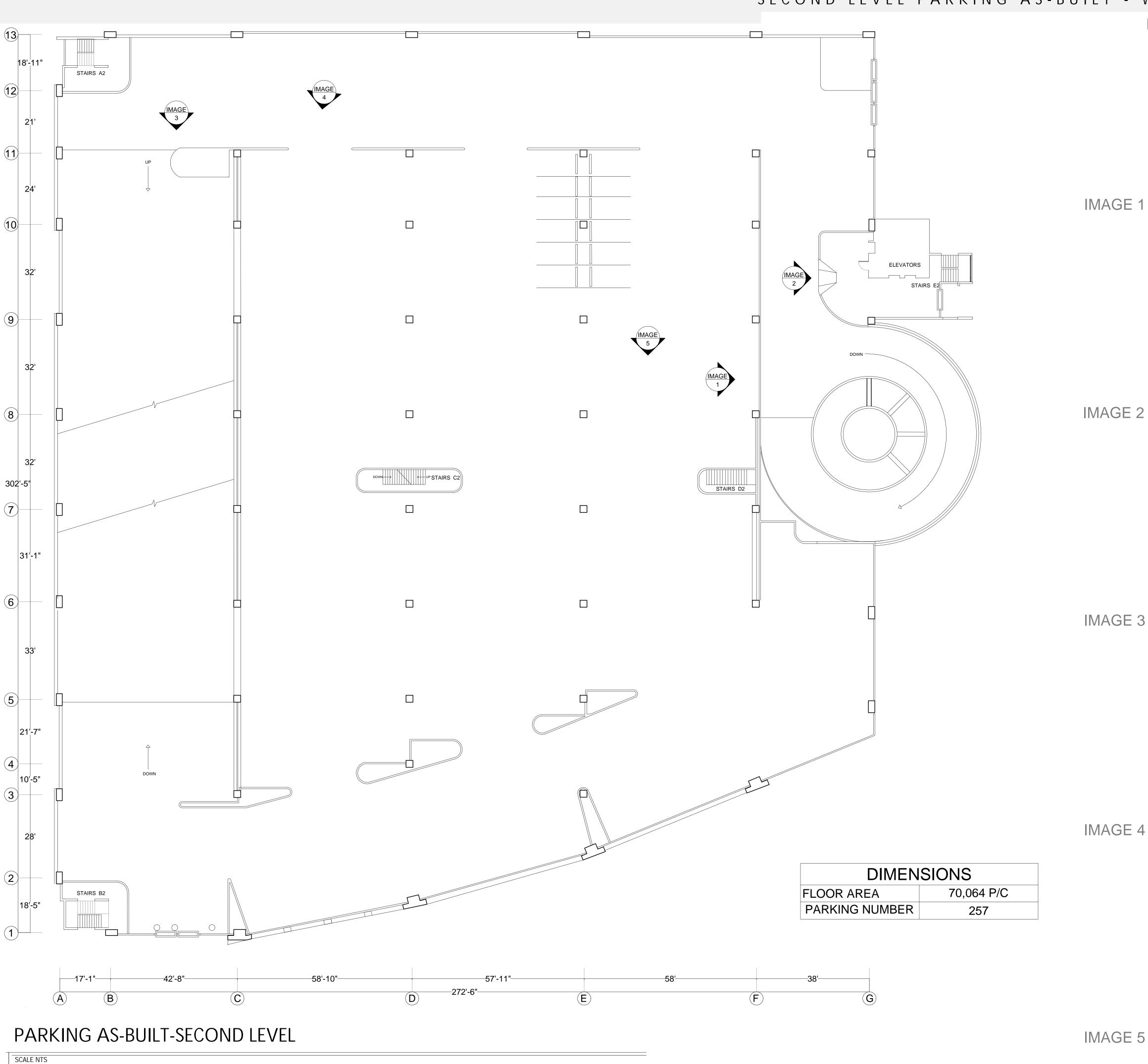
Dwg Name: ESTACIONAMIENTO WORLD PLAZA GROUND.dwg Revised by: Eng. W. Meléndez Rivas, #16383 Plot Scale:

TITLE

PROPOSED LIGHTING-FIRST LEVEL

E-101

DRAWING NO.

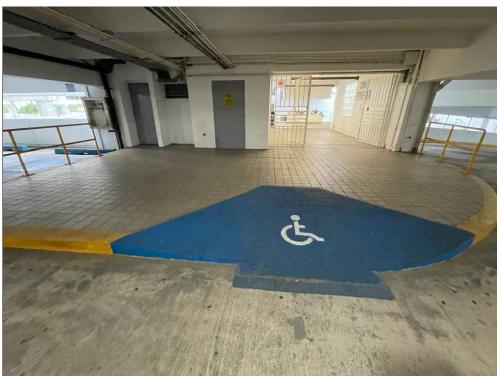


## PHOTO DOCUMENTATION



IMAGE 1

TYPICAL PARKING AREA





TYPICAL ADA CURB RAMP PAINT REQUIREMENT

TYPICAL CURB PAINT REQUIREMENT



TYPICAL PARKING AREA



TYPICAL PARKING AREA

ADDRESS

268 AVE. MUÑOZ RIVERA SAN JUAN P.R.

PODER JUDICIAL

REGISTER NO. 0 6 3 - 0 3 1 - 6 3 9 - 0 2 REVISIONS

REV. DATE DESCRIPTION BY CHK'D

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CERTIFICATION

I, WILLIAM MELENDEZ RIVAS, LIC. 16383, CERTIFY THAT I AM THE PROFESSIONAL WHO [MADE, DESIGNED OR PREPARED] THESE PLANS AND THE COMPLEMENTARY SPECIFICATIONS. I ALSO CERTIFY THAT I UNDERSTAND THAT SAID PLANS AND SPECIFICATIONS COMPLY WIT THE APPLICABLE PROVISIONS OF THE JOINT REGULATIONS AND THE APPLICABLE PROVISIONS OF THE REGULATIONS AND BUILDING CODES IN FORCE OF THE AGENCIES, REGULATORY BOARDS OR PUBLIC CORPORATIONS WITH JURISDICTION. I FURTHER CERTIFY THAT THE PREPARATION OF THESE PLANS AND SPECIFICATIONS HAS FULLY COMPLIED WITH THE PROVISIONS OF LAW 14-2004, AS AMENDED, KNOWN AS THE "LAW FOR INVESTMENT BY THE PUERTO RICAN INDUSTRY" AND WITH THE [LAW NO. 319 OF MAY 15, 1938, AS AMENDED: ACT NO. 96 OF JULY 6, 1978, AS AMENDED; AS APPLICABLE]. I ACKNOWLEDE THAT ANY FALSE STATEMENT OR MISREPRESENTATION OF FACTS THAT HAS BEEN PRODUCED BY IGNORANCE OR NEGLIGENCE EITHER BY ME, MY AGENTS OR EMPLOYEES, OR BY OTHERS WITH MY KNOWLEDGE, MAKES ME RESPONSIBLE FOR ANY JUDICIAL AND DISCIPLINARY ACTION BY THE OGPE.



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SIGNATURE



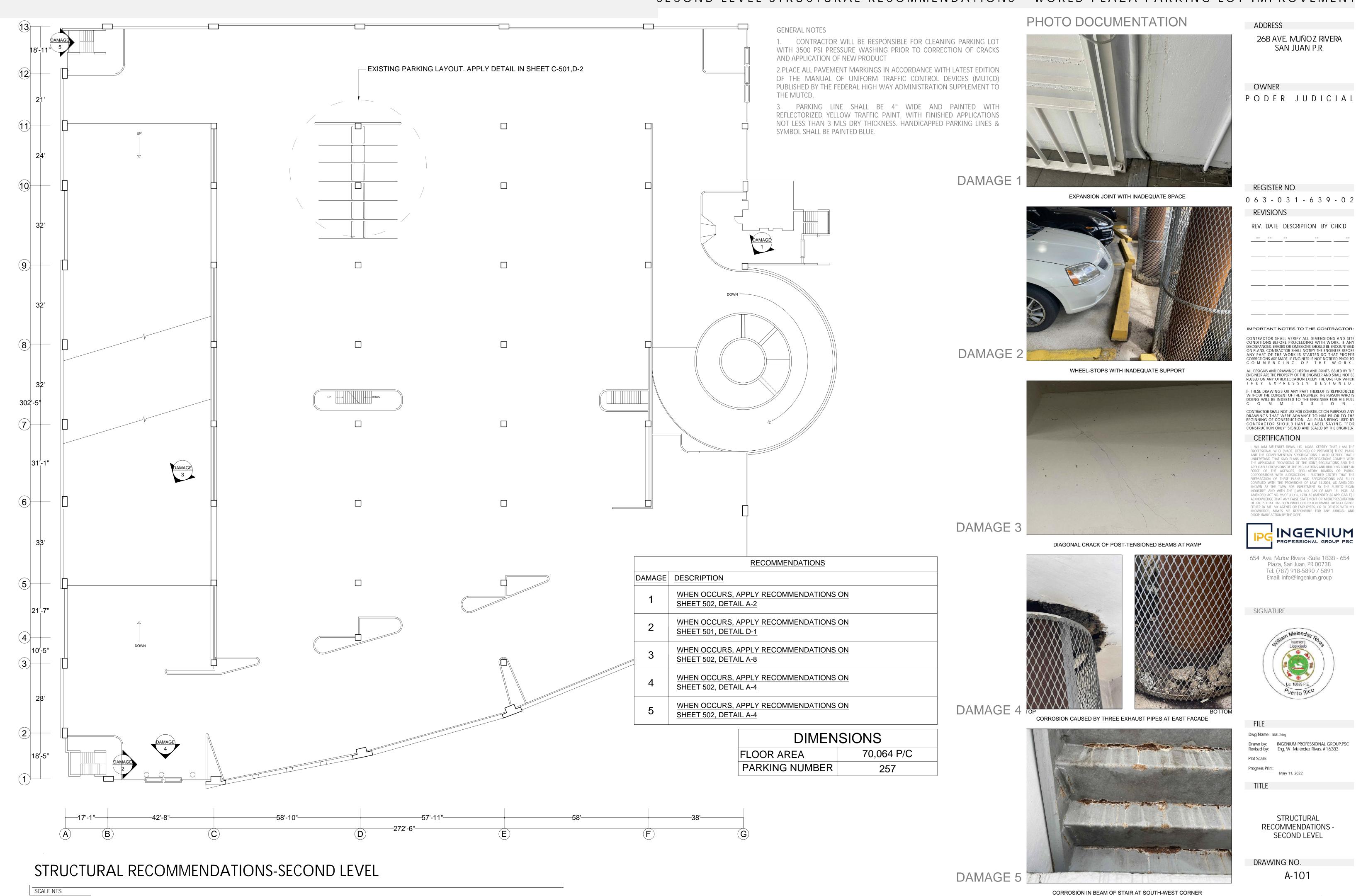
Dwg Name: NIVEL 2.dwg Drawn by: INGENIUM PROFESSIONAL GROUP,PSC Revised by: Eng. W. Meléndez Rivas, #16383

Plot Scale:

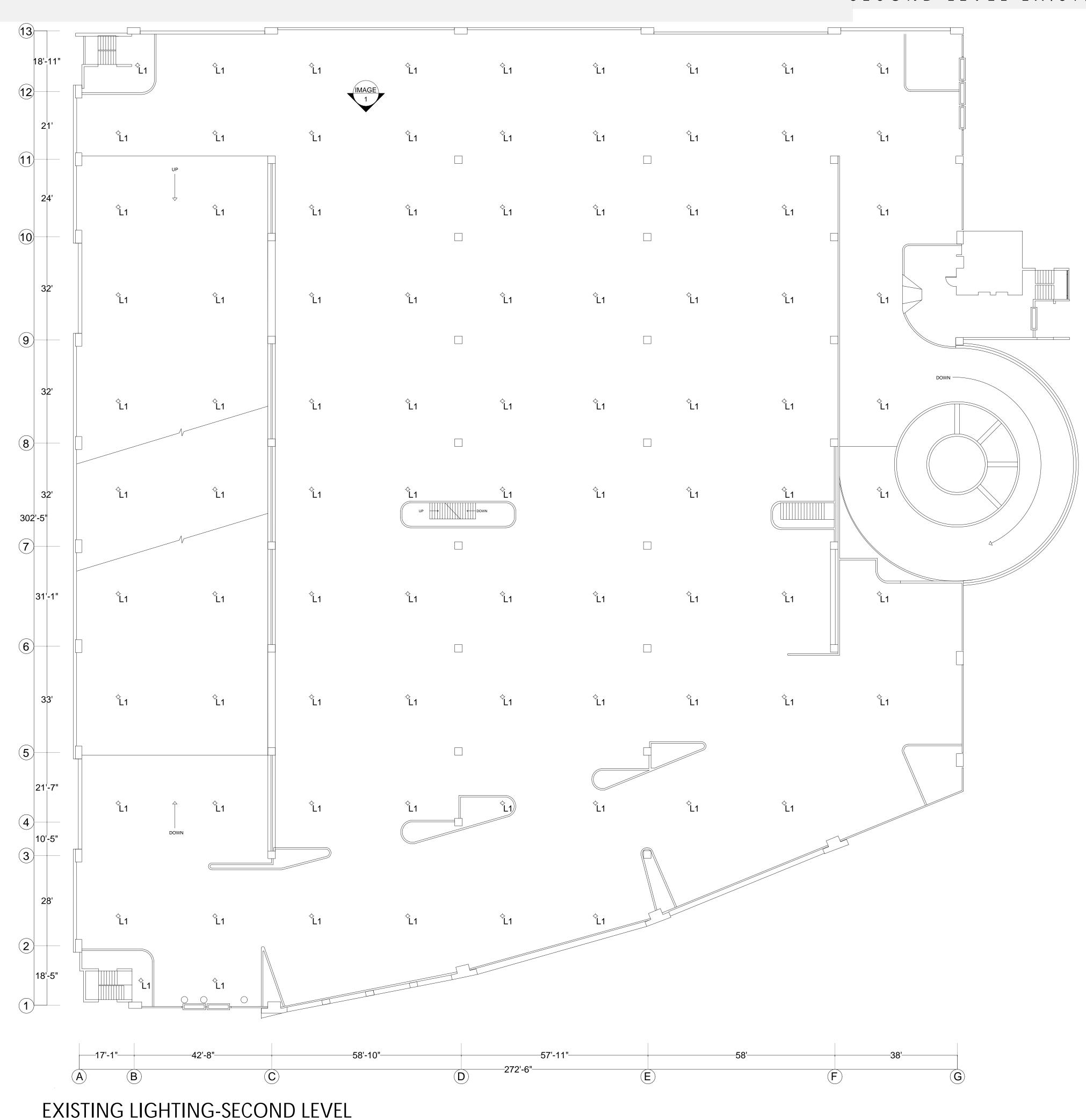
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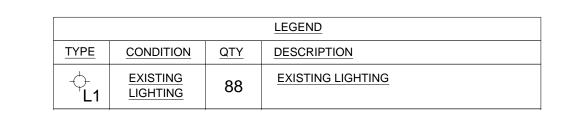
PARKING AS-BUILT - SECOND LEVEL

DRAWING NO. C-101



E: 7/30





## PHOTO DOCUMENTATION

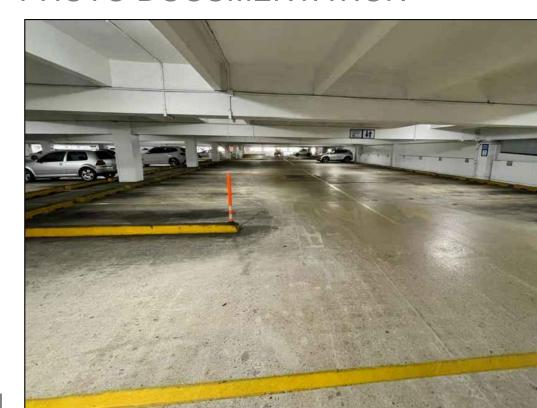


IMAGE 1

## **GENERAL NOTES**

1.LIGHTING REPLACEMENT WORK INCLUDES THE REMOVAL AND DISPOSAL OF EXISTING LIGHTS.

EXISTING LIGHTING

2.THE INTERIOR LIGHTING WILL BE REPLACED BY LAMPS OF THE LED SYSTEM, WITH DIMENSIONS OF 2'X4' AND 4 TUBES WITH "ELECTRONIC BALLAST" AND USE A PRODUCT EQUAL OR SIMILAR TO LITHONIA LIGHTING, "WRAP AROUND" 2'X4'.

3.IT MUST BE VERIFIED THAT THE PHOTOCELLS ARE WORKING CORRECTLY. THE INSTALLATION OF PHOTOCELLS MUST BE PROVIDED IN ALL CORRIDOR LAMPS.

## 4.OUTDOOR SPOTLIGHT IP-66.

5.THE DIAGRAM OF THE CIRCUITS, LOCATION OF SWITCHES AS WELL AS THE LOCATION OF THE PROPOSED LAMPS INDICATED ON THE PLANS IS MERELY DIAGRAMICAL AND APPROXIMATE. THE EXACT LOCATION OF THE PIPING AND OTHER ELECTRICAL INSTALLATIONS WILL BE SUBJECT TO THE STRUCTURAL AND CONSTRUCTION CONDITIONS, THEY WILL BE CONNECTED TO THE MAIN BOARD. CONTRACTOR SHOULD SUBMIT SHOP DRAWINGS OF ELECTRICAL CONNECTIONS TO DESIGNER FOR APPROVAL PREVIOUSLY RECOMMENDED BY AN ELECTRICIAN.

## ADDRESS

268 AVE. MUÑO Z RIVERA SAN JUAN P.R.

OWNER

PODER JUDICIAL

REGISTER NO.

0 6 3 - 0 3 1 - 6 3 9 - 0 2

REVISIONS

REV. DATE DESCRIPTION BY CHK'D

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FILE

Dwg Name: NIVEL 2.dwg

Drawn by: INGENIUM PROFESSIONAL GROUP,PSC Revised by: Eng. W. Meléndez Rivas, #16383

Plot Scale:

Progress Print: May 11, 2022

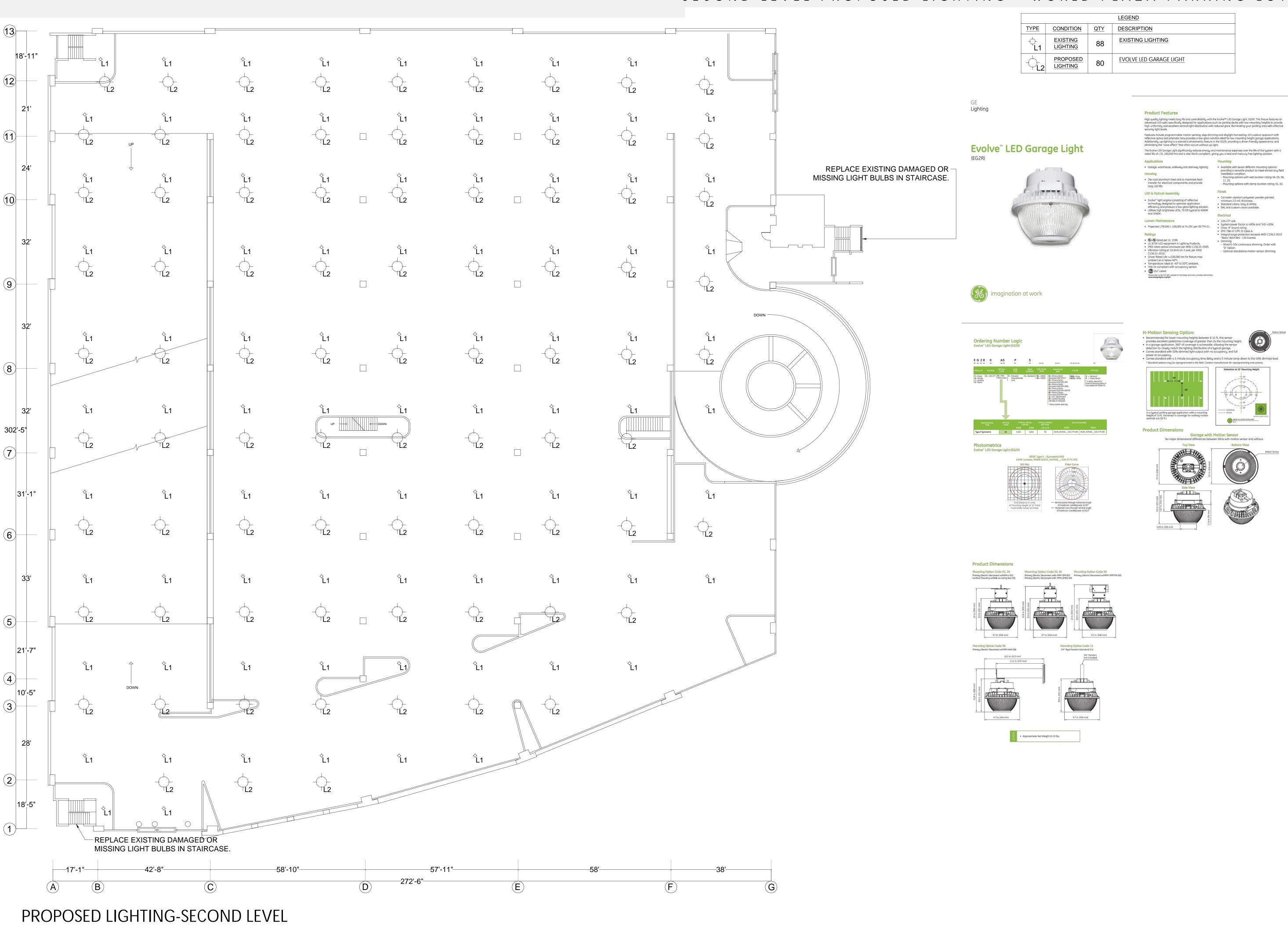
TITLE

EXISTING LIGHTING-SECOND LEVEL

DRAWING NO.

E-103

PAGE: 8/30



ADDRESS

268 AVE. MUÑOZ RIVERA SAN JUAN P.R.

OWNER

PODER JUDICIAL

REGISTER NO.

0 6 3 - 0 3 1 - 6 3 9 - 0 2

REVISIONS

REV. DATE DESCRIPTION BY CHK'D

IMPORTANT NOTES TO THE CONTRACTOR: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE DISCREPANCIES, FRRORS OR OMISSIONS SHOULD BE ENCOUNTERED ON PLANS, CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE ANY PART OF THE WORK IS STARTED SO THAT PROPER CORRECTIONS ARE MADE. IF ENGINEER IS NOT NOTIFIED PRIOR TO C O M M E N C I N G O F T H E W O R K .

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INGENIUM PROFESSIONAL GROUP PSC

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FILE

Dwg Name: NIVEL 2.dwg Drawn by: INGENIUM PROFESSIONAL GROUP, PSC Revised by: Eng. W. Meléndez Rivas, #16383

Plot Scale:

TITLE

PROPOSED LIGHTING -SECOND LEVEL

DRAWING NO. E-104

9/30

PAGE:

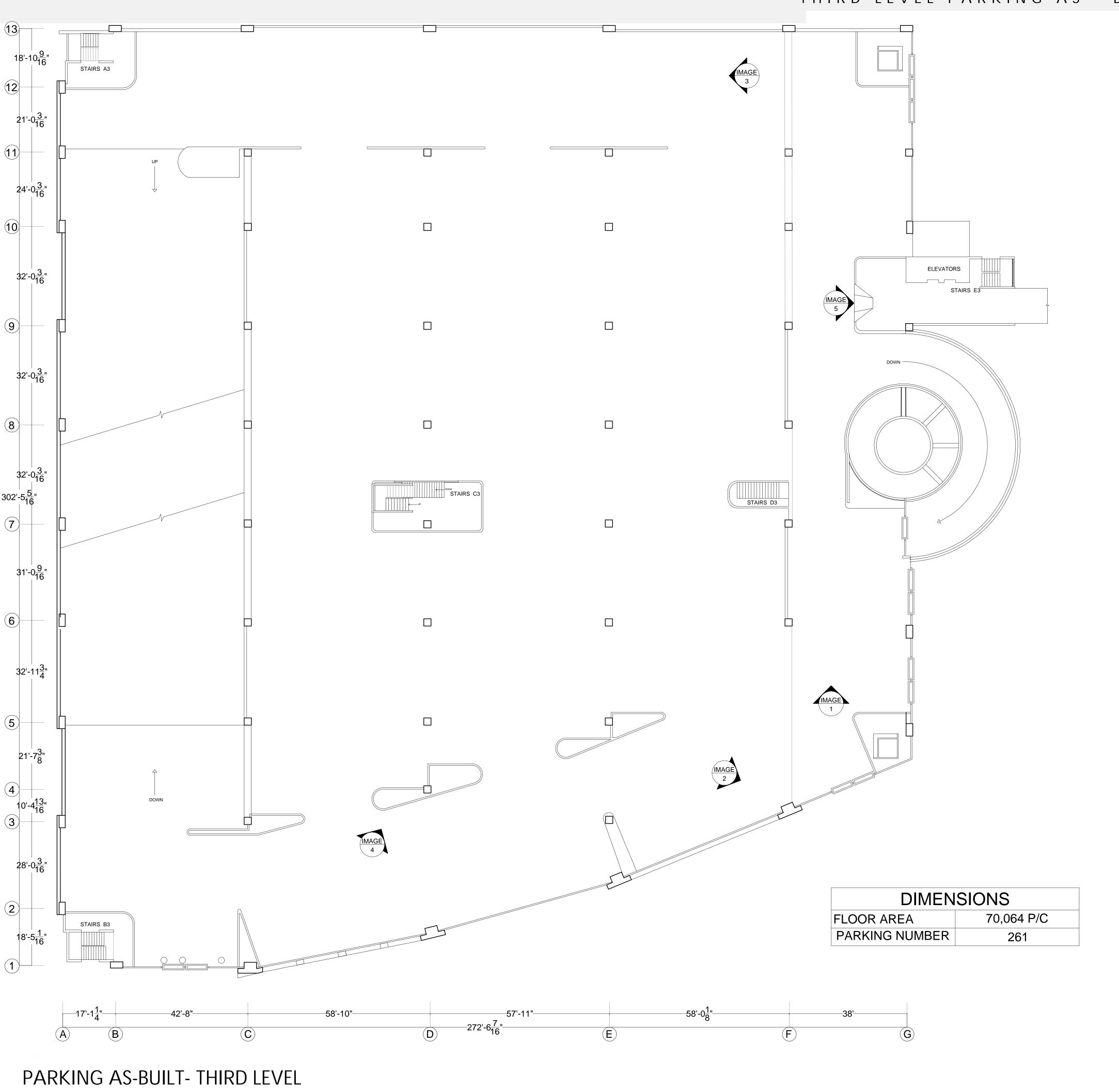


PHOTO DOCUMENTATION

IMAGE 1

TYPICAL PARKING AREA



**IMAGE 2** FIRE CONTROLS SYSTEMS TO BE PAINTED



TYPICAL PARKING AREA EXISTING CONDITIONS

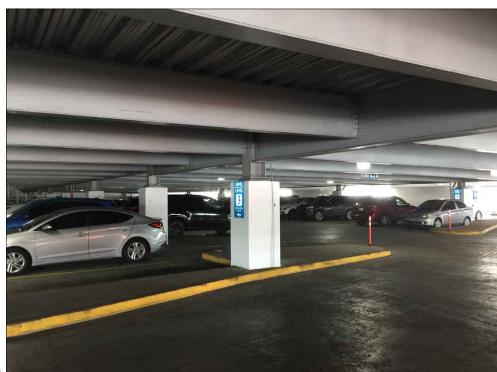
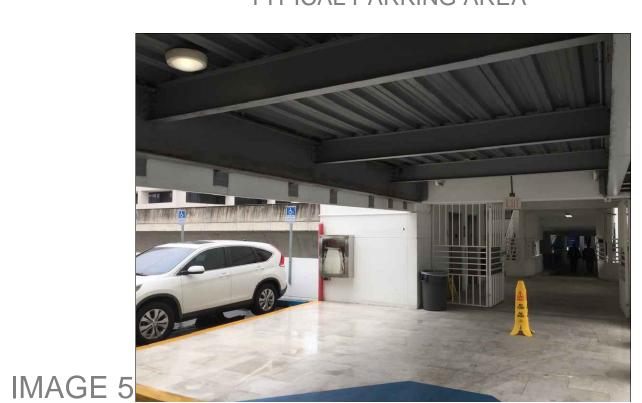


IMAGE 4 TYPICAL PARKING AREA



STRUCTURAL MEMBERS VIEW OF PEDESTRIAN BRIDGE BETWEEN BUILDING AND PARKING LOTS LEVELS 4 TO 6

ADDRESS 268 AVE. MUÑOZ RIVERA SAN JUAN P.R.

PODER JUDICIAL

REGISTER NO. 0 6 3 - 0 3 1 - 6 3 9 - 0 2 REVISIONS REV. DATE DESCRIPTION BY CHK'D

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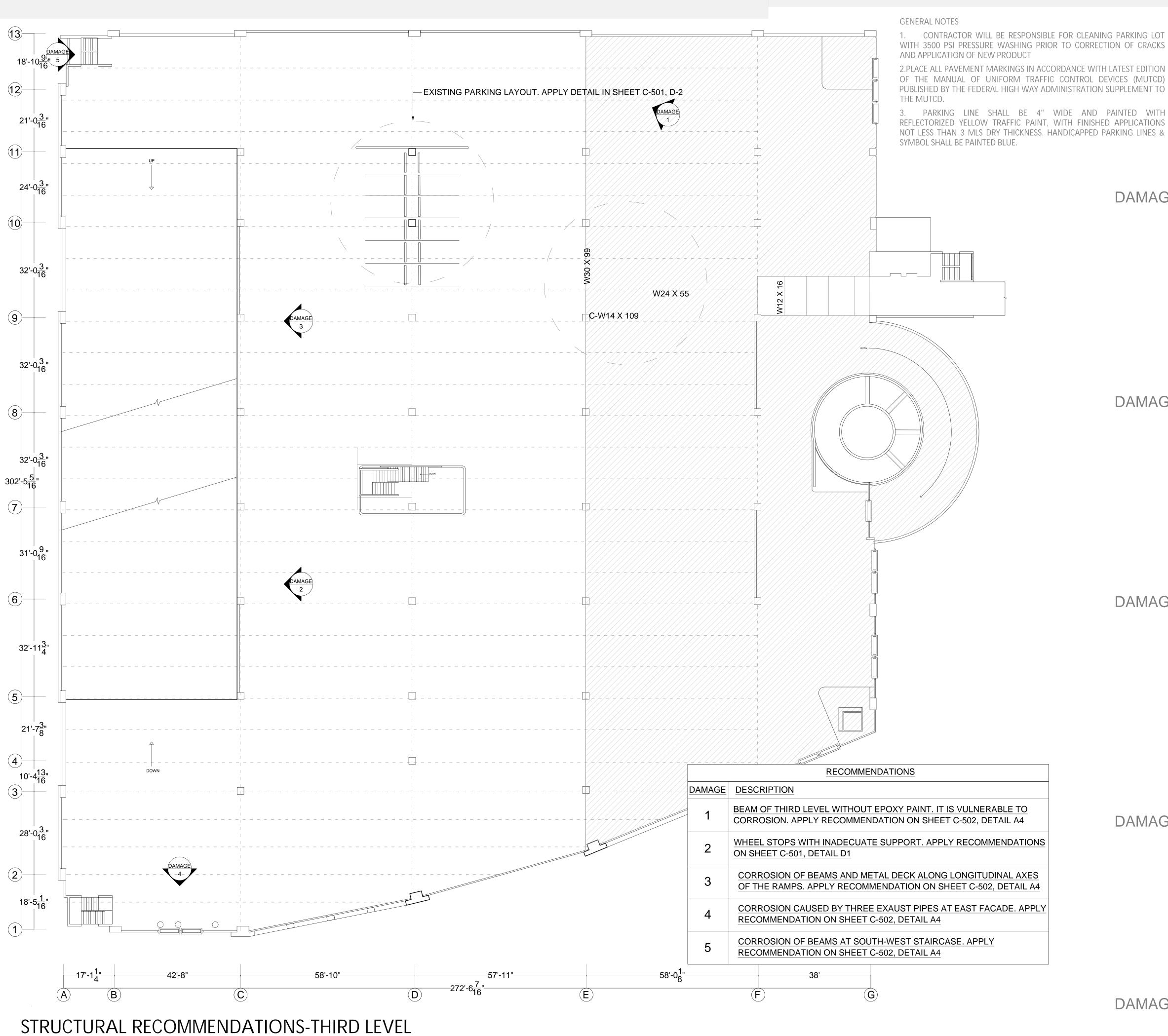
Dwg Name: NIVEL 3.dwg

Drawn by: INGENIUM PROFESSIONAL GROUP,PSC Revised by: Eng. W. Meléndez Rivas, #16383 Plot Scale:

PARKING AS-BUILT-THIRD LEVEL

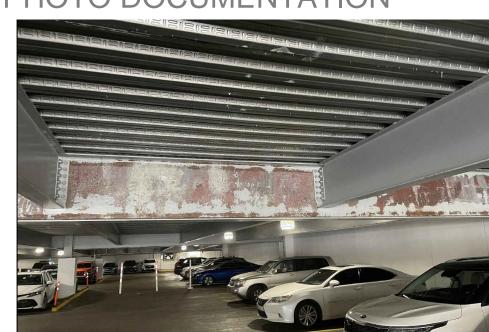
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## THIRD LEVEL STRUCTURAL RECOMMENDATIONS - WORLD PLAZA PARKING LOT IMPROVEMENT

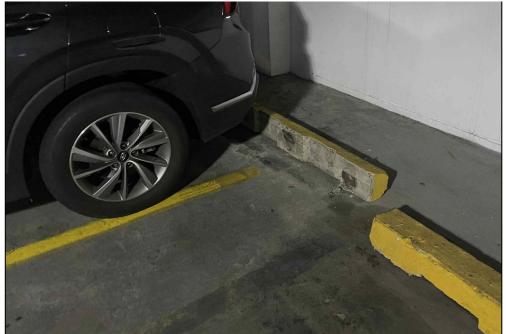


SCALE NTS

PHOTO DOCUMENTATION



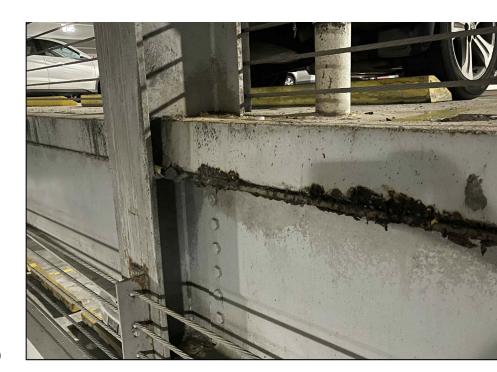
BEAM OF THIRD LEVEL WITHOUT EPOXY PAINT. IT IS VULNERABLE TO CORROSION



DAMAGE 2

DAMAGE '





DAMAGE 3

CORROSION OF BEAMS AND METAL DECK ALONG LONGITUDINAL AXES OF THE RAMPS



DAMAGE 4



CORROSION CAUSED BY THREE EXHAUST PIPES AT EAST FACADE



DAMAGE 5

CORROSION OF BEAMS OF STAIR AT SOUTH-WEST STAIR

REGISTER NO. 0 6 3 - 0 3 1 - 6 3 9 - 0 2

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REVISIONS REV. DATE DESCRIPTION BY CHK'D

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THEY EXPRESSLY DESIGNED

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WITHOUT THE CONSENT OF THE ENGINEER, THE PERSON WHO I 

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I, WILLIAM MELENDEZ RIVAS, LIC. 16383, CERTIFY THAT I AM TH



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SIGNATURE



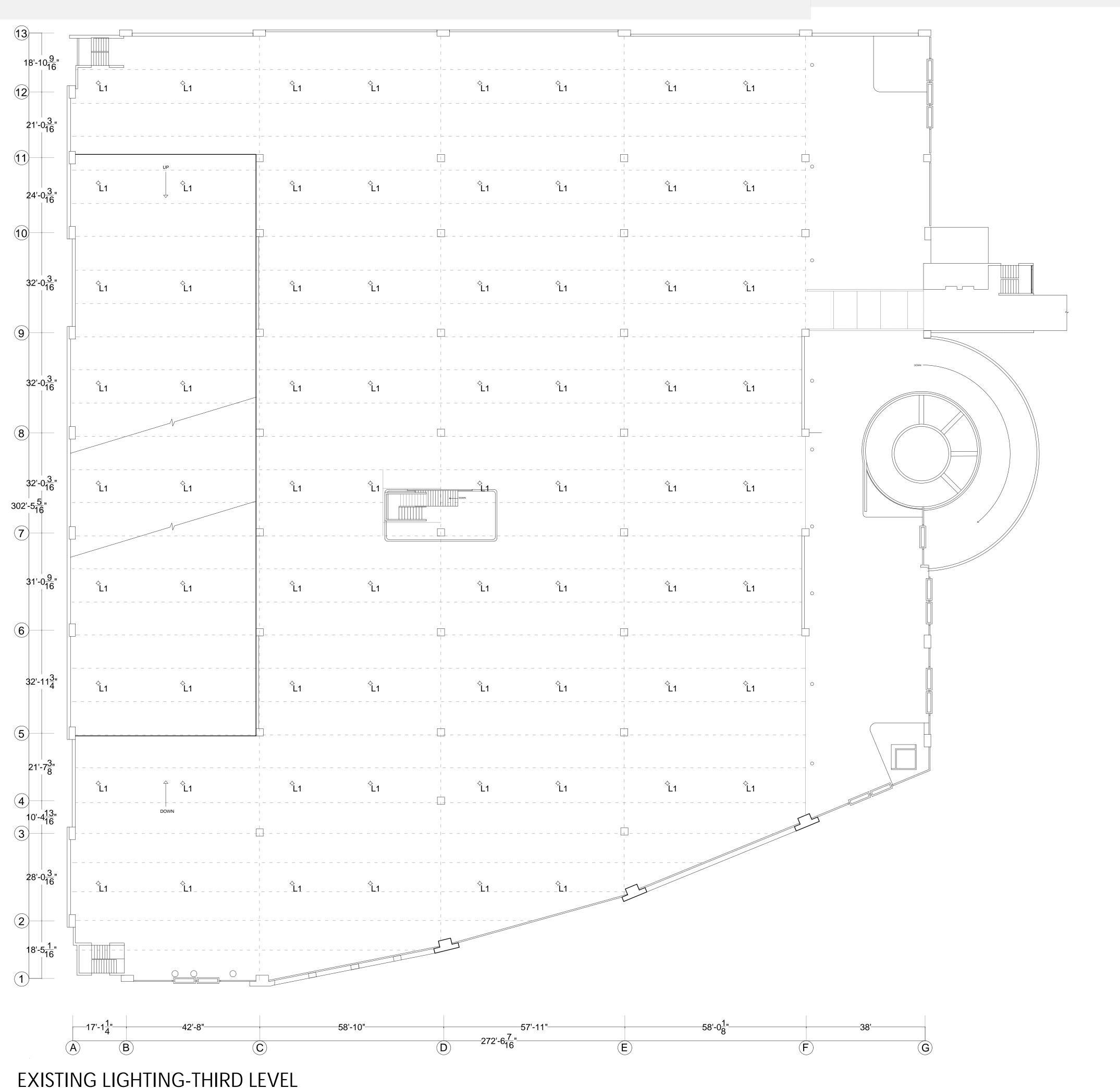
Revised by: Eng. W. Meléndez Rivas, #16383

STRUCTURAL RECOMMENDATIONS-THIRD LEVEL

11/30

DRAWING NO.

A-103



TYPE CONDITION QTY DESCRIPTION

EXISTING LIGHTING
LIGHTING
70

**GENERAL NOTES** 

1.LIGHTING REPLACEMENT WORK INCLUDES THE REMOVAL AND DISPOSAL OF EXISTING LIGHTS.

2.THE INTERIOR LIGHTING WILL BE REPLACED BY LAMPS OF THE LED SYSTEM, WITH DIMENSIONS OF 2'X4' AND 4 TUBES WITH "ELECTRONIC BALLAST" AND USE A PRODUCT EQUAL OR SIMILAR TO LITHONIA LIGHTING, "WRAP AROUND" 2'X4'.

3.IT MUST BE VERIFIED THAT THE PHOTOCELLS ARE WORKING CORRECTLY. THE INSTALLATION OF PHOTOCELLS MUST BE PROVIDED IN ALL CORRIDOR LAMPS.

## 4.OUTDOOR SPOTLIGHT IP-66.

5.THE DIAGRAM OF THE CIRCUITS, LOCATION OF SWITCHES AS WELL AS THE LOCATION OF THE PROPOSED LAMPS INDICATED ON THE PLANS IS MERELY DIAGRAMICAL AND APPROXIMATE. THE EXACT LOCATION OF THE PIPING AND OTHER ELECTRICAL INSTALLATIONS WILL BE SUBJECT TO THE STRUCTURAL AND CONSTRUCTION CONDITIONS, THEY WILL BE CONNECTED TO THE MAIN BOARD. CONTRACTOR SHOULD SUBMIT SHOP DRAWINGS OF ELECTRICAL CONNECTIONS TO DESIGNER FOR APPROVAL PREVIOUSLY RECOMMENDED BY AN ELECTRICIAN.

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268 ave. Muñoz Rivera San Juan P.R.

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REGISTER NO.

0 6 3 - 0 3 1 - 6 3 9 - 0 2

REVISIONS

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FILI

Dwg Name: NIVEL 3.dwg

Drawn by: INGENIUM PROFESSIONAL GROUP,PSC Revised by: Eng. W. Meléndez Rivas #16383

Plot Scale:
Progress Print:

rogress Print: May 11, 2022

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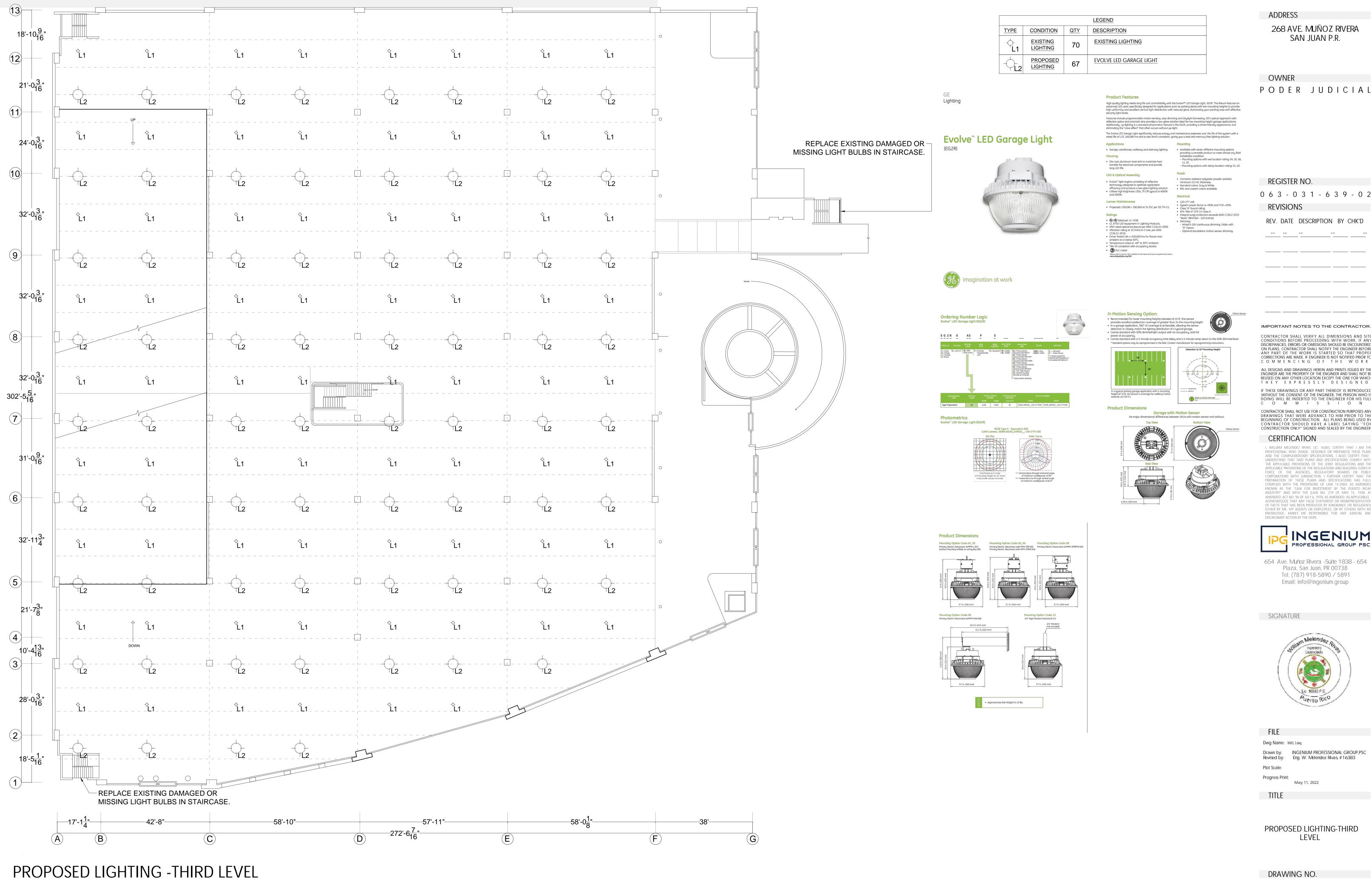
EXISTING LIGHTING-THIRD LEVEL

DRAWING NO.

E-104

PAGE: 12/30

## THIRD LEVEL PROPOSED LIGHTING- WORLD PLAZA PARKING LOT IMPROVEMENT



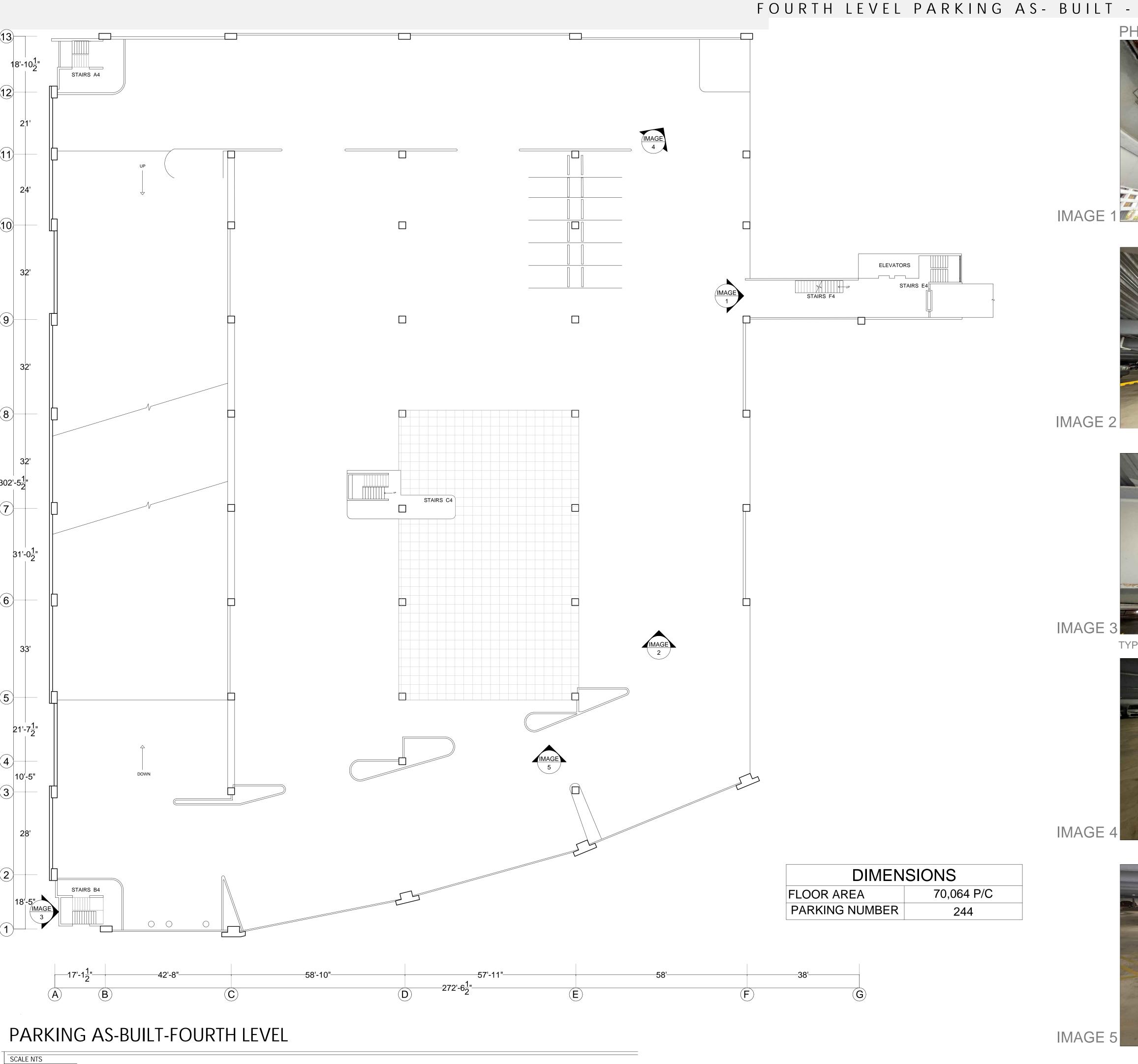
SCALE NTS

PAGE:

DRAWING NO.

E-105

13/30

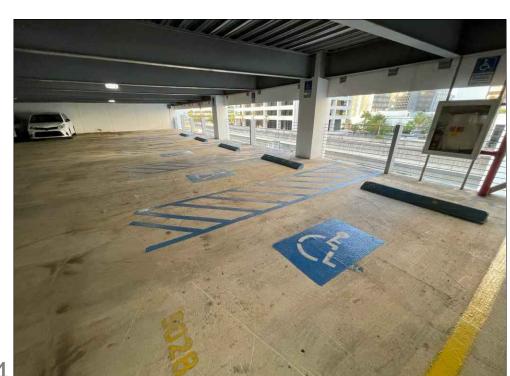




DAMAGE BEAM AND CORRODED MEMBERS







TYPICAL ADA LAYOUT



UNCOLORED MARKING STRIPES

ADDRESS

268 AVE. MUÑOZ RIVERA SAN JUAN P.R.

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REV. DATE DESCRIPTION BY CHK'D

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all designs and drawings herein and prints issued by the engineer are the property of the engineer and shall not be reused on any other location except the one for which the y e x p r e s s l y d e s i g n e d .

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CERTIFICATION



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Dwg Name: NIVEL 4.dwg Revised by: Eng. W. Meléndez Rivas, #16383

PARKING AS- BUILT-FOURTH LEVEL

DRAWING NO.

C-103

PAGE: 14/30

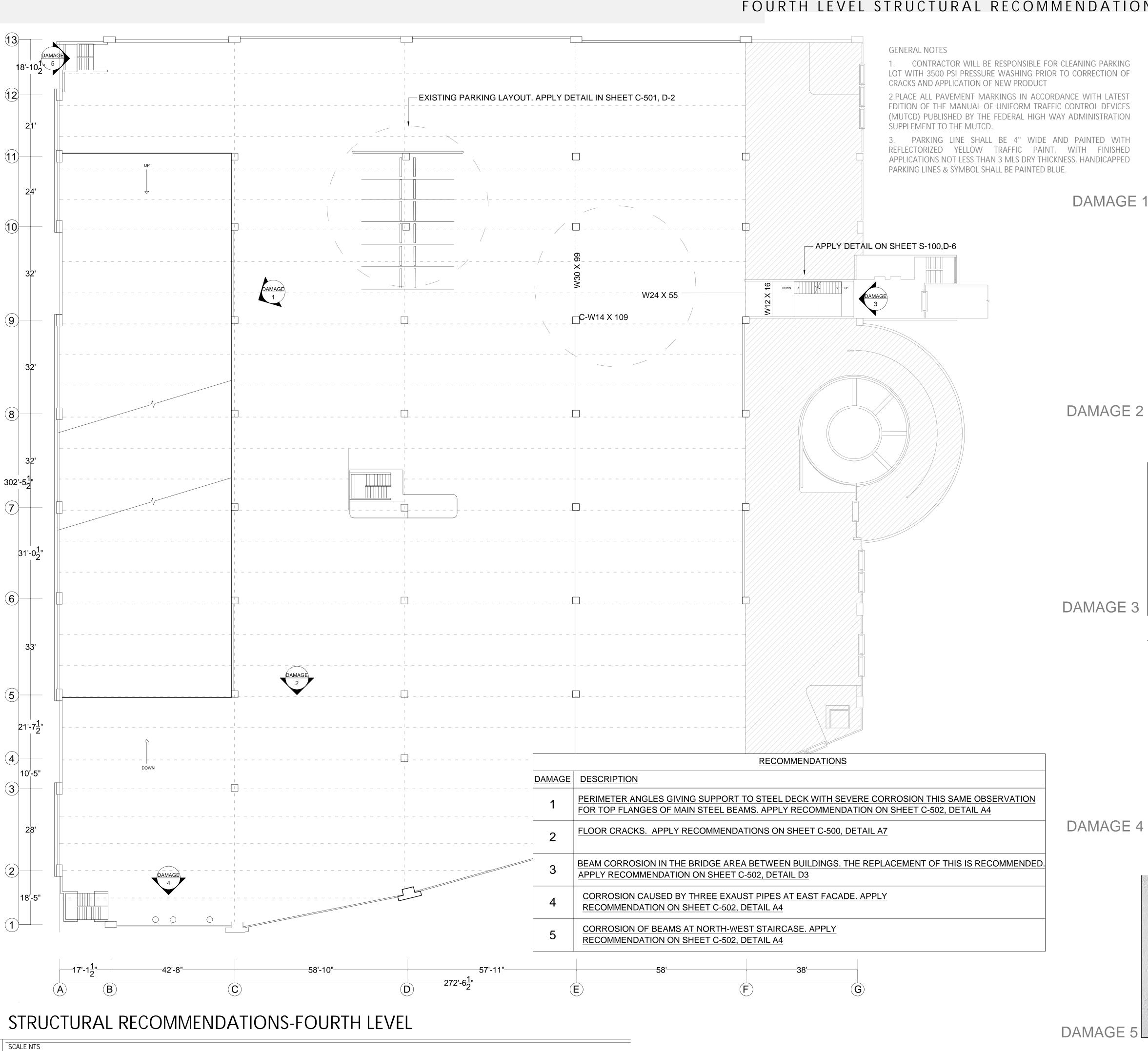


PHOTO DOCUMENTATION









FLOOR CRACKS

BEAM CORROSION, IN THE BRIDGE AREA BETWEEN BUILDINGS, THE REPLACEMENT OF THESE IS RECOMMENDED.





CORROSION CAUSED BY THREE EXHAUST PIPES AT EAST FACADE

CORROSION OF BEAMS OF STAIR AT SOUTH-WEST STAIR

268 AVE. MUÑOZ RIVERA

PODER JUDICIAL

SAN JUAN P.R.

REGISTER NO. 0 6 3 - 0 3 1 - 6 3 9 - 0 2 REV. DATE DESCRIPTION BY CHK'D

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UNDERSTAND THAT SAID PLANS AND SPECIFICATIONS COMPLY WITH



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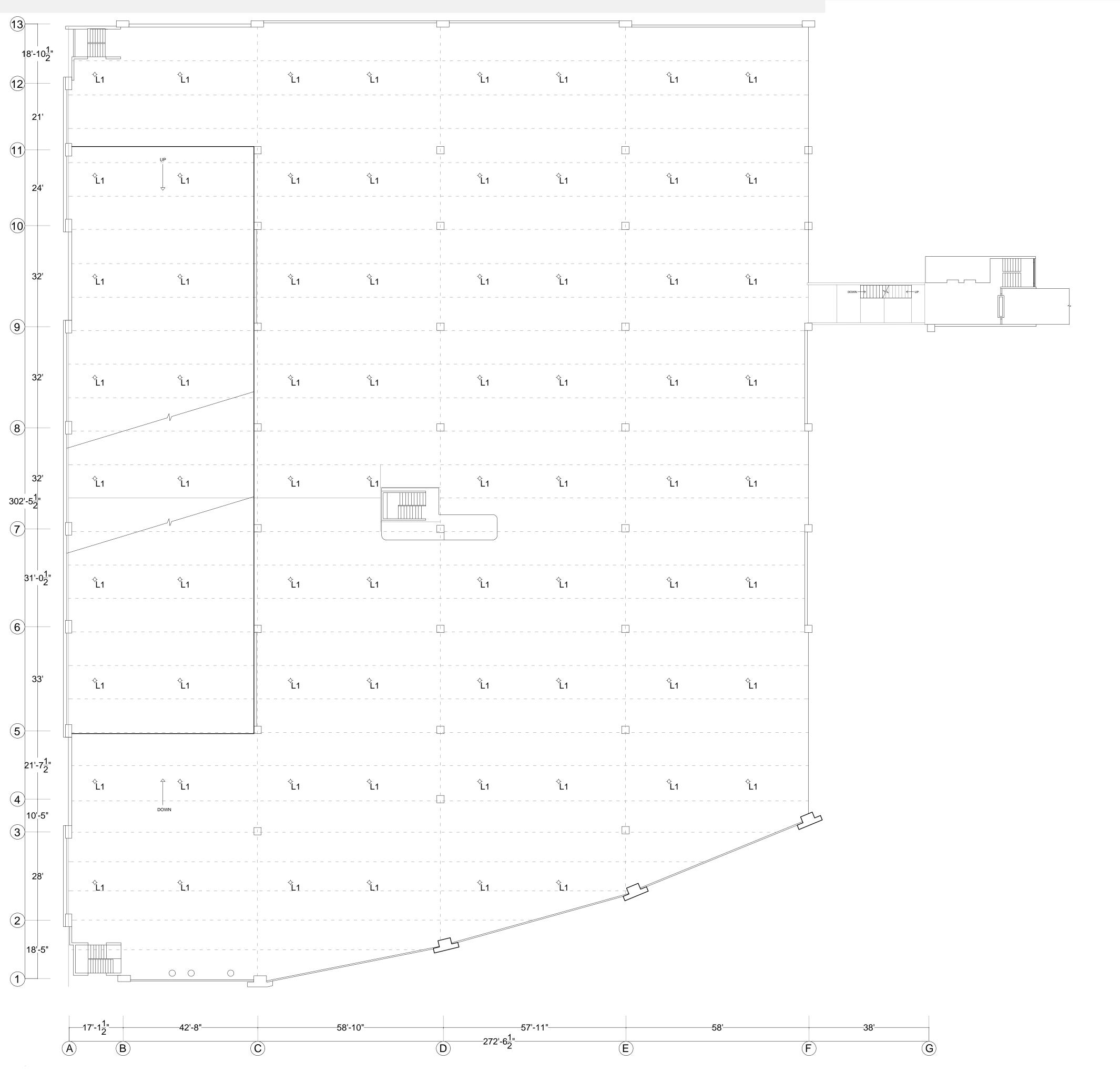
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Eng. W. Meléndez Rivas, #16383

STRUCTURAL RECOMMENDATIONS-FOURTH LEVEL

> DRAWING NO. A-103



EXISTING LIGHTING-FOURTH LEVEL

SCALE NTS

			LEGEND
TYPE	CONDITION	<u>QTY</u>	DESCRIPTION
Ļ1	EXISTING LIGHTING	70	EXISTING LIGHTING

## **GENERAL NOTES**

1.LIGHTING REPLACEMENT WORK INCLUDES THE REMOVAL AND DISPOSAL OF EXISTING LIGHTS.

2.THE INTERIOR LIGHTING WILL BE REPLACED BY LAMPS OF THE LED SYSTEM, WITH DIMENSIONS OF 2'X4' AND 4 TUBES WITH "ELECTRONIC BALLAST" AND USE A PRODUCT EQUAL OR SIMILAR TO LITHONIA LIGHTING, "WRAP AROUND" 2'X4'.

3.IT MUST BE VERIFIED THAT THE PHOTOCELLS ARE WORKING CORRECTLY. THE INSTALLATION OF PHOTOCELLS MUST BE PROVIDED IN ALL CORRIDOR LAMPS.

## 4.OUTDOOR SPOTLIGHT IP-66.

5.THE DIAGRAM OF THE CIRCUITS, LOCATION OF SWITCHES AS THE MAIN BOARD. CONTRACTOR SHOULD SUBMIT SHOP DRAWINGS OF ELECTRICAL CONNECTIONS TO DESIGNER FOR APPROVAL PREVIOUSLY RECOMMENDED BY AN ELECTRICIAN.

## ADDRESS

268 AVE. MUÑOZ RIVERA SAN JUAN P.R.

## OWNER

PODER JUDICIAL

## REGISTER NO.

0 6 3 - 0 3 1 - 6 3 9 - 0 2

## REVISIONS

REV. DATE DESCRIPTION BY CHK'D

## IMPORTANT NOTES TO THE CONTRACTOR CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE PROCEEDING WITH WORK. IF ANY

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## CERTIFICATION

APPLICABLE PROVISIONS OF THE REGULATIONS AND BUILDING CODES IN FORCE OF THE AGENCIES, REGULATORY BOARDS OR PUBLIC CORPORATIONS WITH JURISDICTION. I FURTHER CERTIFY THAT THE PREPARATION OF THESE PLANS AND SPECIFICATIONS HAS FULLY COMPLIED WITH THE PROVISIONS OF LAW 14-2004, AS AMENDED, KNOWN AS THE "LAW FOR INVESTMENT BY THE PUERTO RICAN INDUSTRY" AND WITH THE [LAW NO. 319 OF MAY 15, 1938, AS AMENDED: ACT NO. 96 OF JULY 6, 1978, AS AMENDED; AS APPLICABLE]. I ACKNOWLEDGE THAT ANY FALSE STATEMENT OR MISREPRESENTATION OF FACTS THAT HAS BEEN PRODUCED BY IGNORANCE OR NEGLIGENCE EITHER BY ME, MY AGENTS OR EMPLOYEES, OR BY OTHERS WITH MY KNOWLEDGE, MAKES ME RESPONSIBLE FOR ANY JUDICIAL AND DISCIPLINARY ACTION BY THE OGPE.



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## SIGNATURE



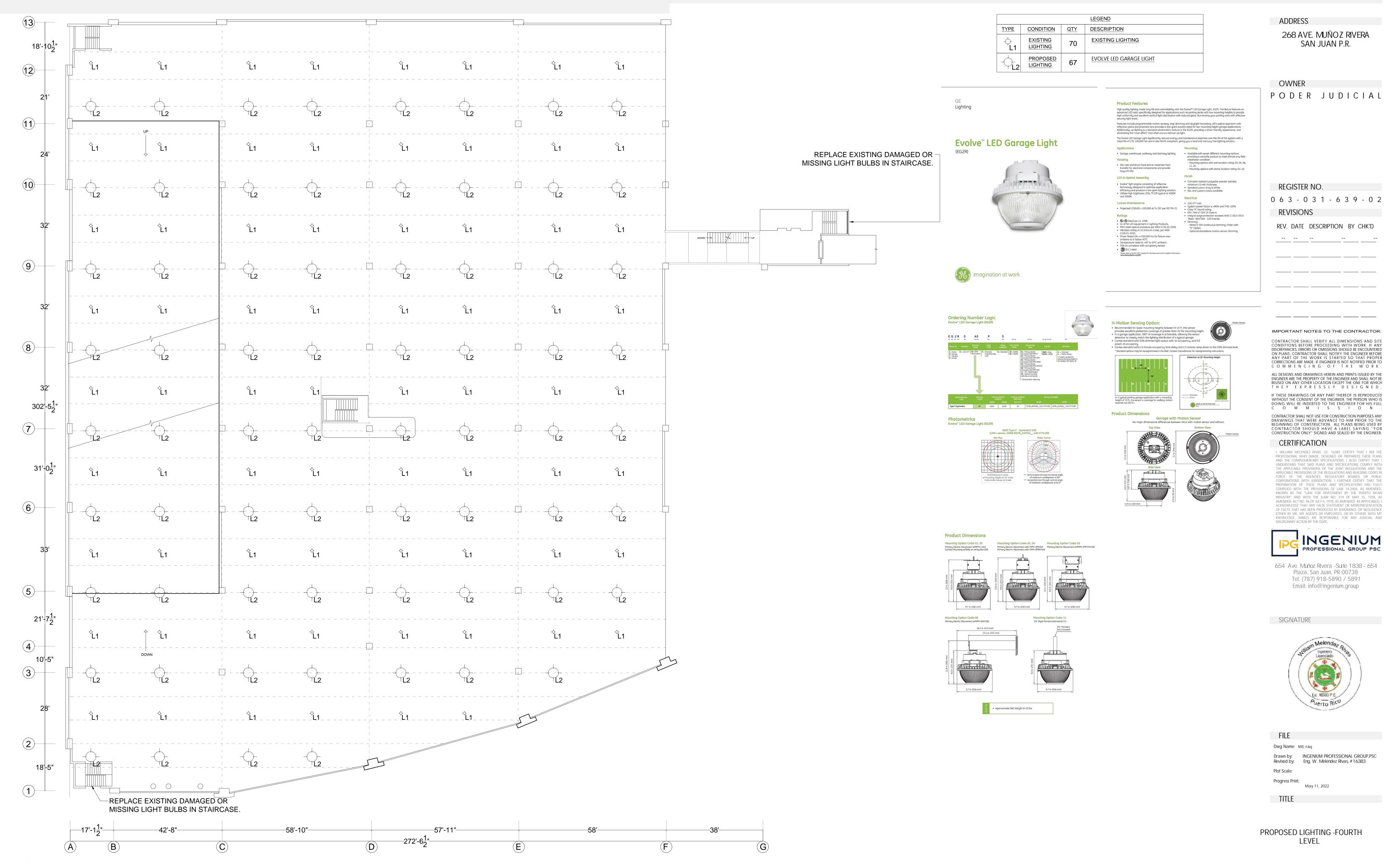
Revised by: Eng. W. Meléndez Rivas, #16383

EXISTING LIGHTING-FOURTH LEVEL

DRAWING NO.

E-106

## FOURTH LEVEL PROPOSED LIGHTING AND RECOMMENDATIONS - WORLD PLAZA PARKING LOT IMPROVEMENT



PROPOSED LIGHTING -FOURTH LEVEL

SCALE NTS

PAGE: 17/30

DRAWING NO.

E-107

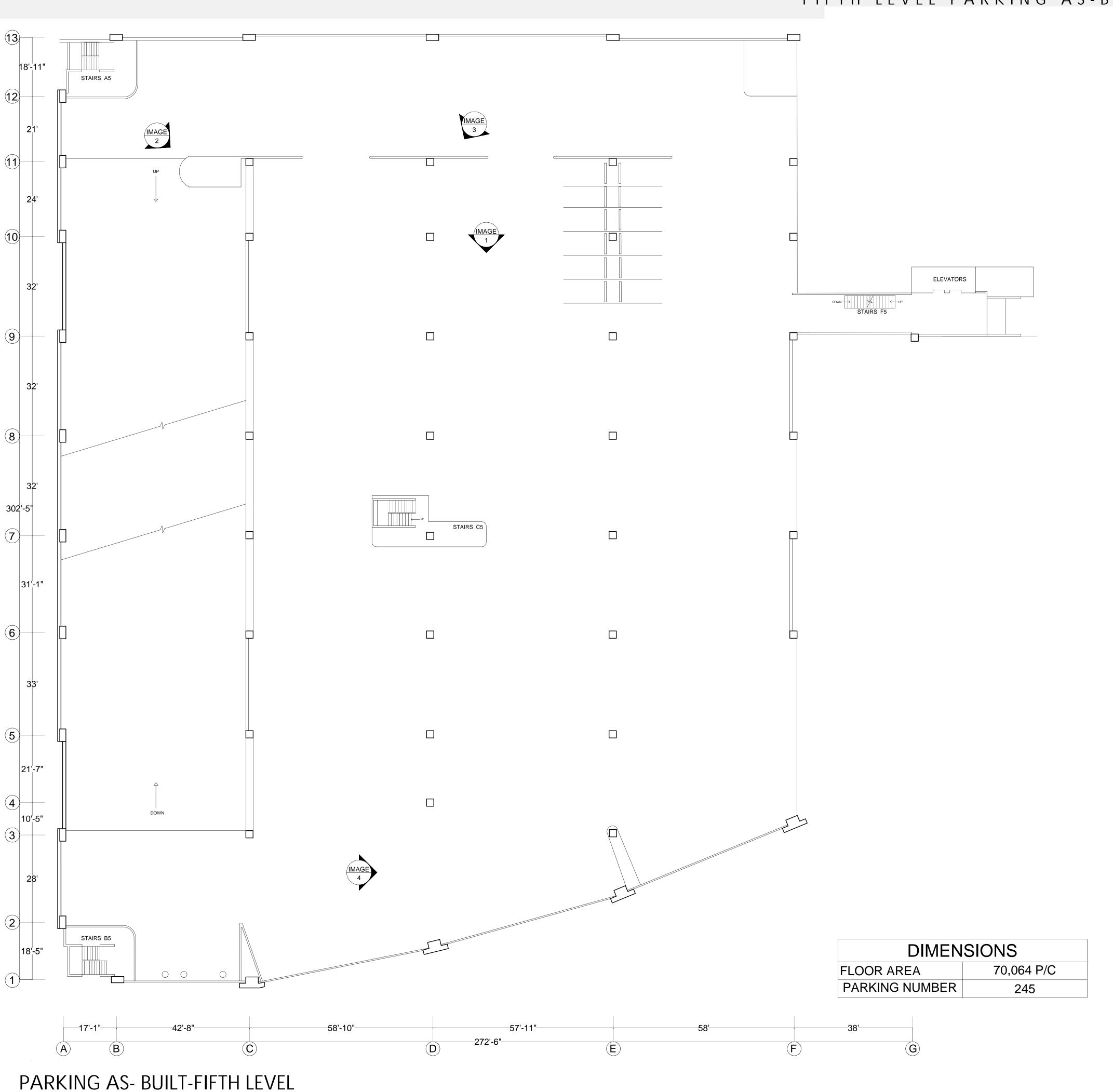
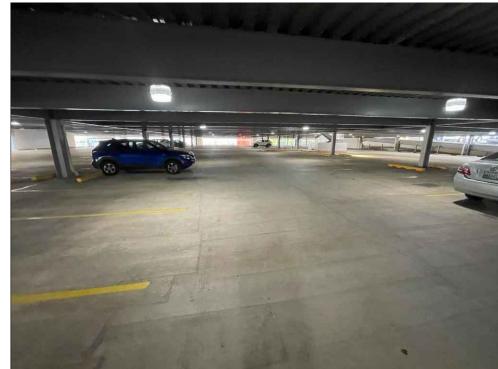


PHOTO DOCUMENTATION



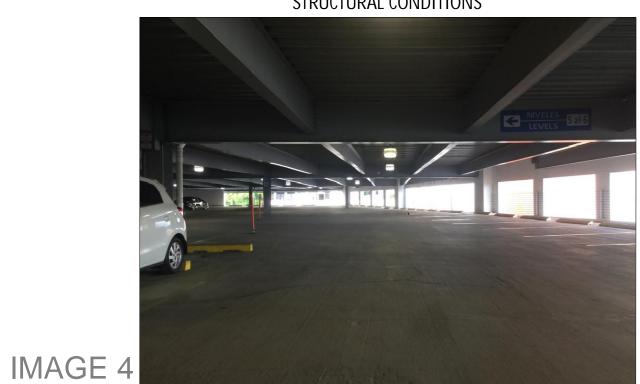
**IMAGE 1** EXISTING LIGHTING CONDITION



METAL POST AND CABLE BARRIER



TYPICAL VIEW EXISTING STRUCTURAL CONDITIONS



TYPICAL PARKING AREA

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Drawn by: INGENIUM PROFESSIONAL GROUP,PSC Revised by: Eng. W. Meléndez Rivas, #16383 Plot Scale:

PARKING AS-BUILT-FIFTH LEVEL

DRAWING NO. C-104

PAGE: 18/30

## FIFTH LEVEL STRUCTURAL RECOMMENDATIONS - WORLD PLAZA PARKING LOT IMPROVEMENT

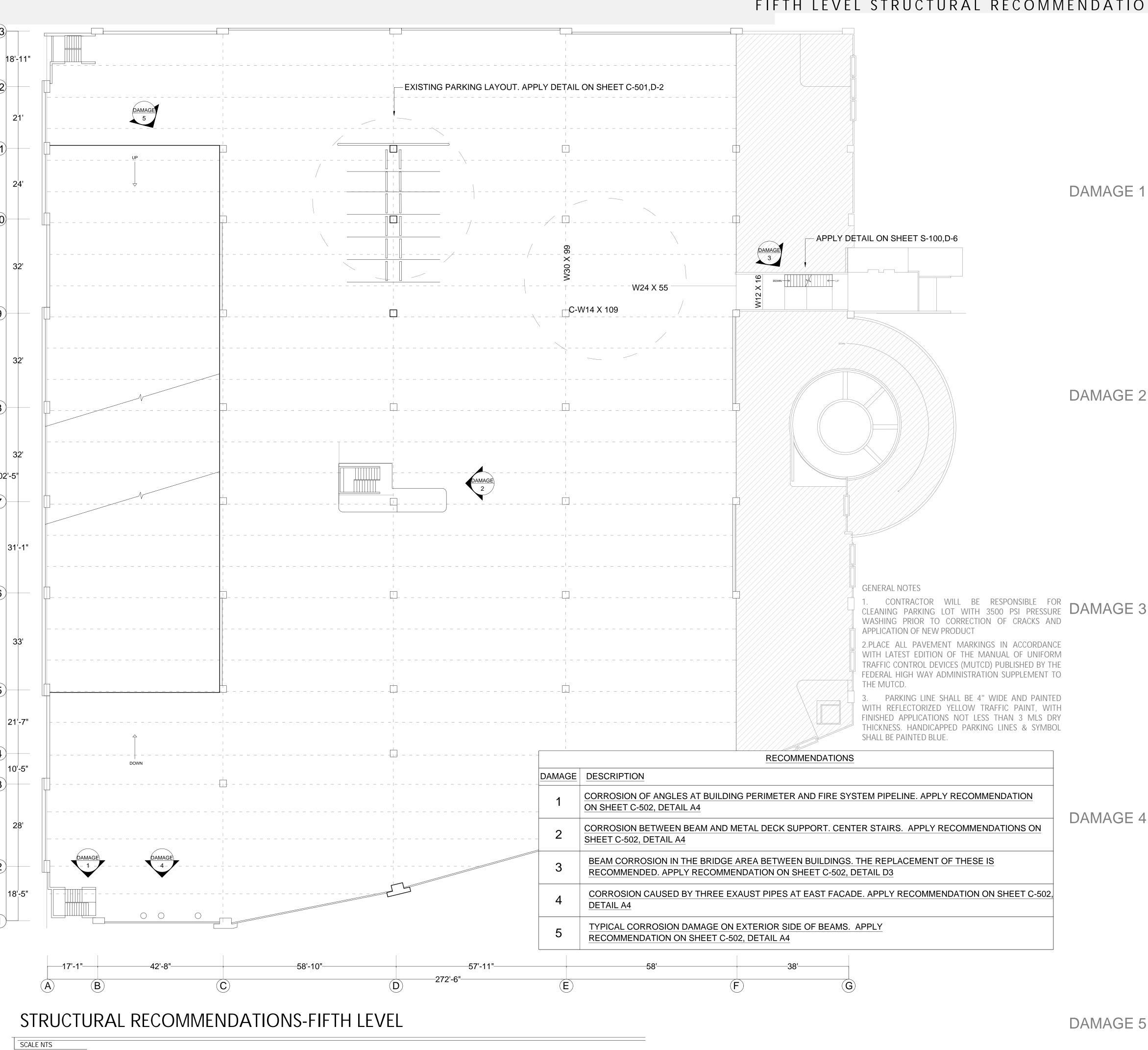


PHOTO DOCUMENTATION

CORROSION OF ANGLES AT BUILDING PERIMETER AND FIRE SYSTEM PIPE LINE.



CORROSION BETWEEN BEAM AND METAL DECK SUPPORT



BEAM CORROSION, IN THE BRIDGE AREA BETWEEN BUILDINGS, THE REPLACEMENT OF THESE IS RECOMMENDED.





CORROSION CAUSED BY THREE EXHAUST PIPES AT EAST FACADE



TYPICAL CORROSION DAMAGE ON EXTERIOR SIDE OF BEAMS.

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REGISTER NO.

REV. DATE DESCRIPTION BY CHK'D

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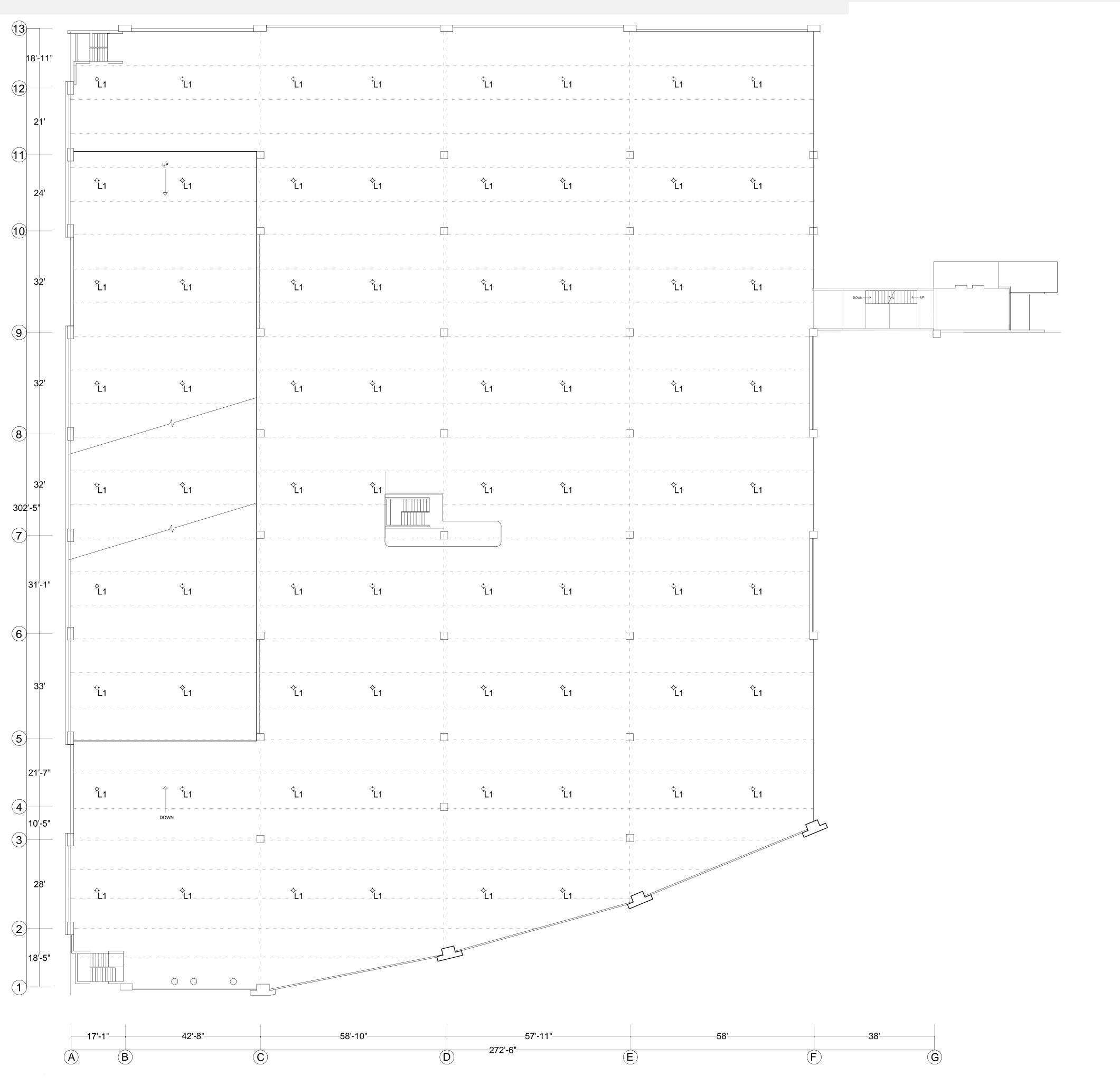
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STRUCTURAL **RECOMMENDATIONS-FIFTH** LEVEL

> DRAWING NO. A-104



			LEGEND
TYPE	CONDITION	QTY	DESCRIPTION
L1	EXISTING LIGHTING	70	EXISTING LIGHTING

## **GENERAL NOTES**

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FIL

Dwg Name: NIVEL5.dwg

Drawn by: INGENIUM PROFESSIONAL GROUP,PSC Erg. W. Meléndez Rivas #16383

ess Print:

May 11, 202

EXISTING LIGHTING-FIFTH LEVEL

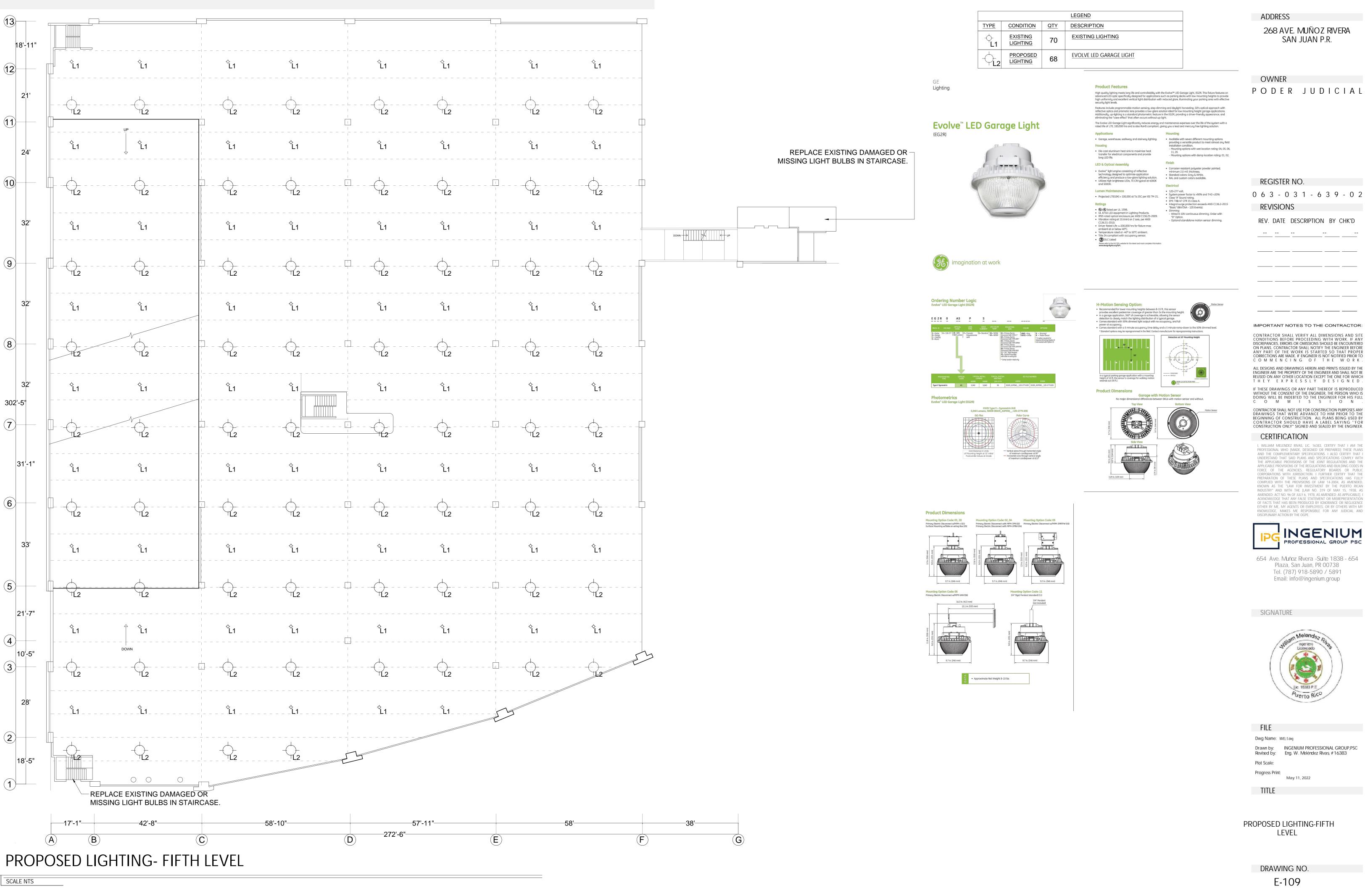
DRAWING NO.

E-108

PAGE: 20/30

EXISTING LIGHTING-FIFTH LEVEL

SCALE NTS



268 AVE. MUÑOZ RIVERA

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REV. DATE DESCRIPTION BY CHK'D

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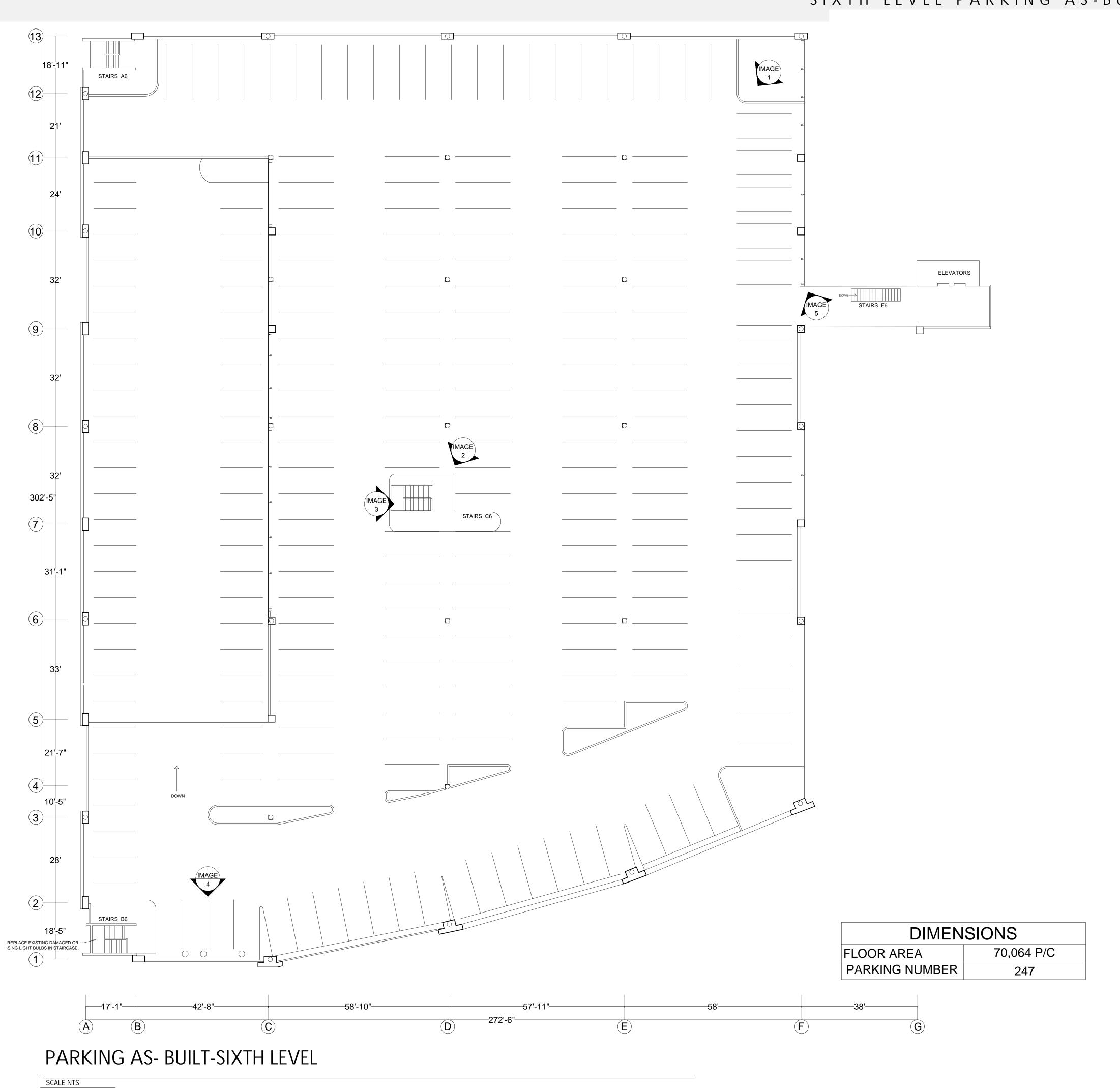
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Revised by: Eng. W. Meléndez Rivas, #16383

PAGE: 21/30



## PHOTO DOCUMENTATION



SIXTH FLOOR GENERAL VIEW



CENTRAL ACCESS STAIRS LEVEL 6 PROPOSED EXTENTION OF UPPER ROOF





**IMAGE** 



FLASHING INSTALATION RECOMENDED

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Dwg Name: NIVEL 6.dwg

Drawn by: INGENIUM PROFESSIONAL GROUP,PSC Revised by: Eng. W. Meléndez Rivas, #16383 Plot Scale:

TITLE

PARKING AS-BUILT-SIXTH LEVEL

DRAWING NO.

C-105

PAGE: 22/30



## PHOTO DOCUMENTATION

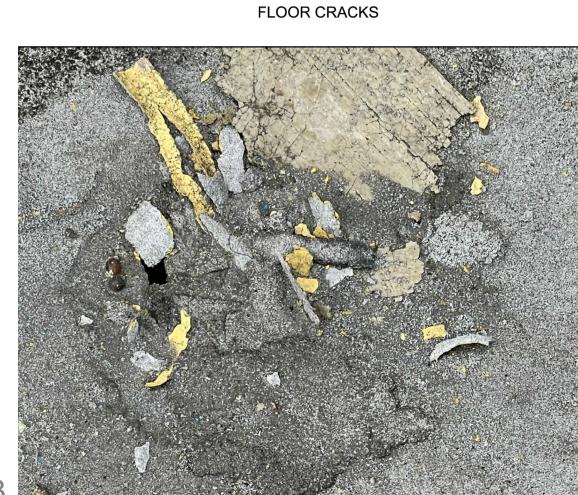


DAMAGE



SIXTH FLOOR GENERAL VIEW





CORROSION CAUSED BY THREE EXHAUST PIPES AT EAST FACADE

DAMAGE 3

	RECOMMENDATIONS
DAMAGE	DESCRIPTION
1	WHEN OCCURES, APPLY RECOMMENDATION ON SHEET C-502, DETAIL A-1
2	WHEN OCCURES, APPLY RECOMMENDATION ON SHEET C-502, DETAIL A-4
3	WHEN OCCURES, APPLY RECOMMENDATION ON SHEET C-502, DETAIL A-5

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Drawn by: INGENIUM PROFESSIONAL GROUP,PSC Revised by: Eng. W. Meléndez Rivas, #16383

Plot Scale:

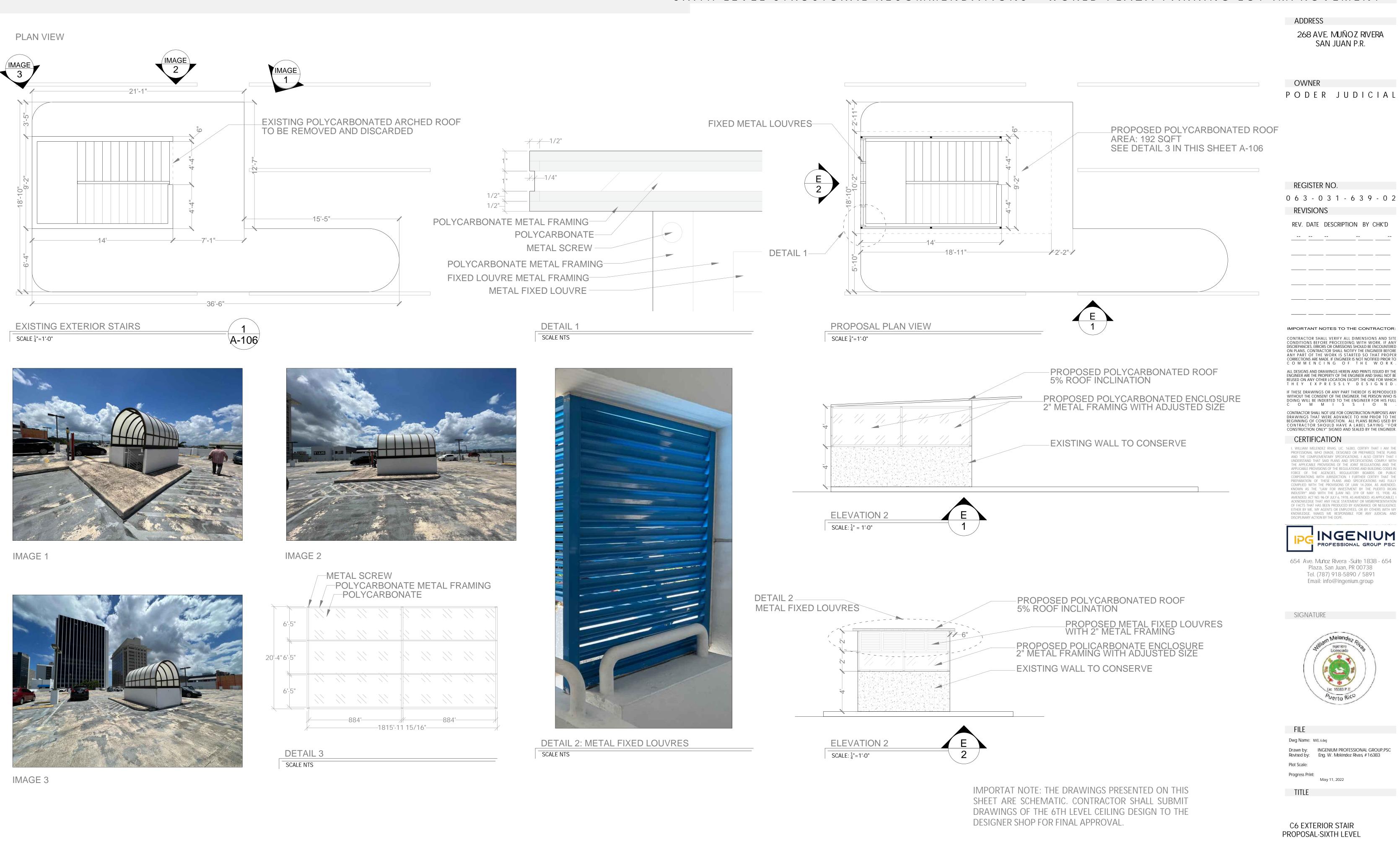
STRUCTURAL RECOMMENDATION-SIXTH LEVEL

> DRAWING NO. A-105

PAGE: 23/30

PROPOSED POLYCARBONATE ROOF

SCALE NTS



EXISTING CONDITIONS AND PHOTODOCUMENTATION

SCALE NTS

PAGE: 24/30

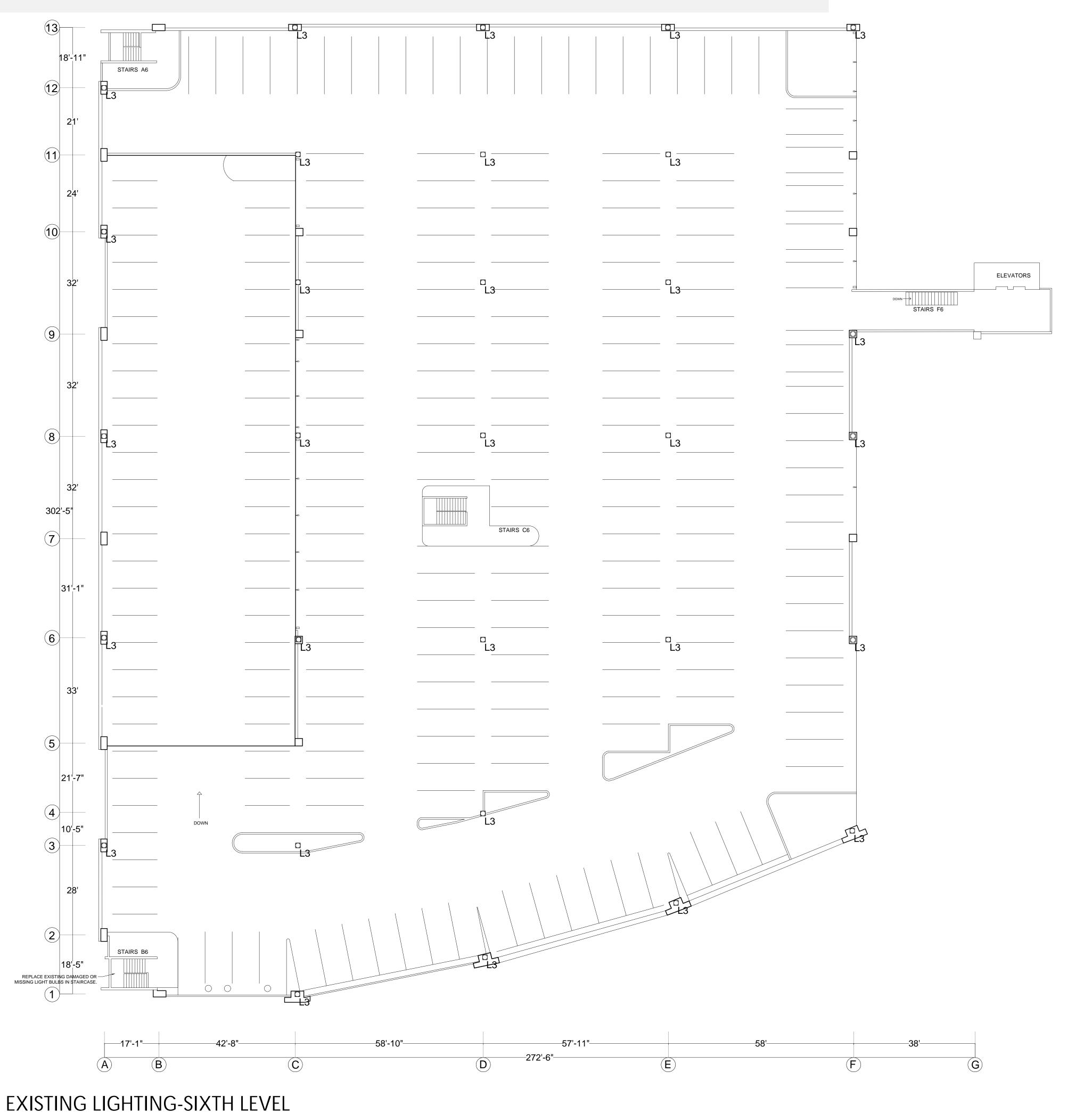
DRAWING NO.

A-106

Eng. W. Meléndez Rivas, #16383

INGENIUM

SAN JUAN P.R.



TYPE CONDITION QTY DESCRIPTION

EXISTING LIGHTING

30 EXISTING LIGHTING

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CERTIFICATION

I, WILLIAM MELENDEZ RIVAS, LIC. 16383, CERTIFY THAT I AM THE PROFESSIONAL WHO [MADE, DESIGNED OR PREPARED] THESE PLANS AND THE COMPLEMENTARY SPECIFICATIONS. I ALSO CERTIFY THAT I UNDERSTAND THAT SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE PROVISIONS OF THE JOINT REGULATIONS AND THE APPLICABLE PROVISIONS OF THE FEGULATIONS AND BUILDING CODES IN FORCE OF THE AGENCIES, REGULATORY BOARDS OR PUBLIC CORPORATIONS WITH JURISDICTION. I FURTHER CERTIFY THAT THE PREPARATION OF THESE PLANS AND SPECIFICATIONS HAS FULLY COMPLIED WITH THE PROVISIONS OF LAW 14-2004, AS AMENDED, KNOWN AS THE "LAW FOR INVESTMENT BY THE PUERTO RICAN INDUSTRY" AND WITH THE [LAW NO. 319 OF MAY 15, 1938, AS AMENDED; ACT NO. 96 OF JULY 6, 1978, AS AMENDED; AS APPLICABLE]. I ACKNOWLEDGE THAT ANY FALSE STATEMENT OR MISREPRESENTATION OF FACTS THAT HAS BEEN PRODUCED BY IGNORANCE OR NEGLIGENCE EITHER BY ME, MY AGENTS OR EMPLOYEES, OR BY OTHERS WITH MY KNOWLEDGE, MAKES ME RESPONSIBLE FOR ANY JUDICIAL AND DISCIPLINARY ACTION BY THE OGPE.



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SIGNATURE



FILE

Dwg Name: NIVEL 6.dwg

Drawn by: INGENIUM PROFESSIONAL GROUP,PSC
Revised by: Eng. W. Meléndez Rivas, #16383

Revised by: Eng. W. Melén Plot Scale:

> ress Print: May 11, 2022

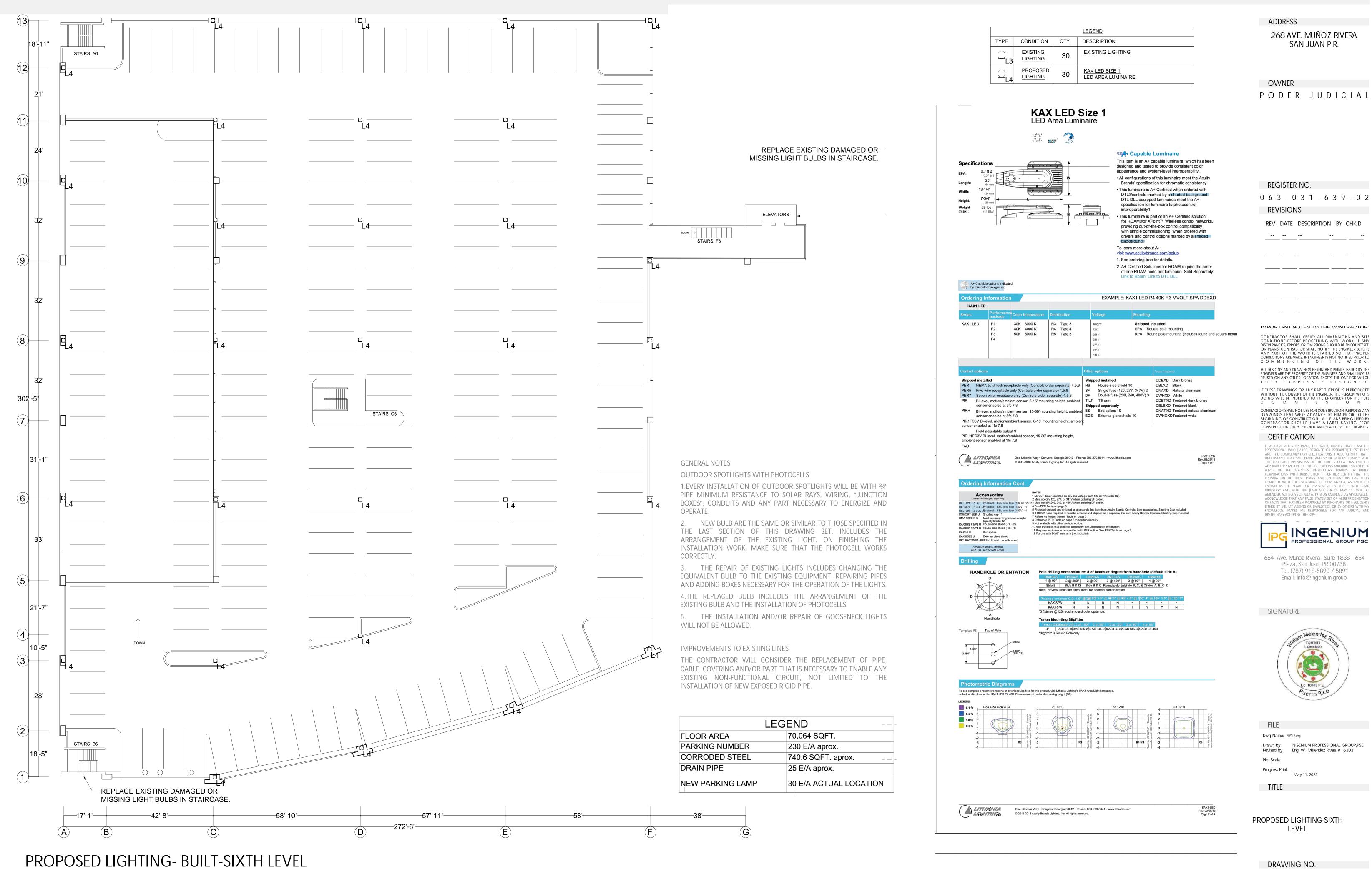
May 11, 2022

EXISTING LIGHTING-SIXTH LEVEL

DRAWING NO.

E-110

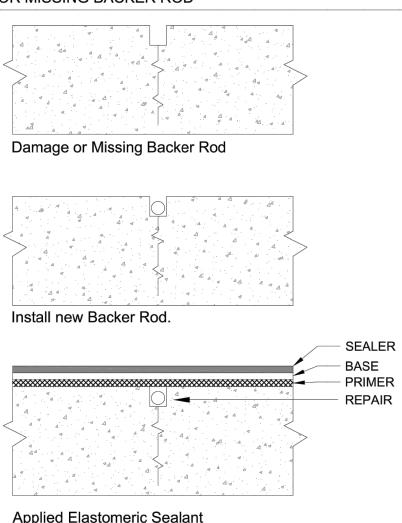
PAGE: 25/30



PAGE: 26/30

E-111

## REPAIR PROCEDURE FOR DAMAGE OR MISSING BACKER ROD



## METHODS FOR CRACK REPAIR AND FLUID – APPLIED VEHICULAR TRAFFIC AND WATERPROFF COATING SYSTEMS

ASTM C 801 Standard Specification for Epoxy-Resin-Base Bonding Systems for Concrete

- ASTM D 920 Standard Specification for Elastomeric Joint Sealants
- ACI 224 Joints in Concrete Construction ACI 503 R Use of Epoxy Compounds with concrete

## 1)Epoxy injection

Cracks as narrow as 0.002 in. can be bonded by the injection of epoxy ("Crack Repair Method). The technique consists of establishing entry and venting ports at close intervals along the cracks, sealing the crack on exposed surfaces, and injecting the low-density epoxy under pressure. Epoxy materials used for structural repairs should conform to ASTM C 881 (Type IV). ACI 504R describes practices for sealing joints, including joint design, available materials, and methods of application. **YSTEMS** 

- Cleaning the cracks. Clean any cracks that have been contaminated. Contaminants, such as oil, grease, dirt, or fine particles of concrete, prevent epoxy penetration and bonding, and reduce the effectiveness of repairs. Preferably, contamination should be removed by vacuuming or flushing with water or other effective cleaning solutions. Flushed out using compressed air and a neutralizing agent or adequate time is provided for air drying.
- Sealing the surfaces. Surface cracks should be sealed to keep the epoxy from leaking out before it has gelled. Where the crack face cannot be reached, but where there is backfill or where a slab-on-ground is being repaired, the backfill material or subbase material is sometimes an adequate seal. Extreme caution should be exercised when injecting cracks that are not visible on all surfaces. A surface can be sealed by applying an epoxy, polyester, or other appropriate sealing material to the surface of the crack and allowing it to harden. If a permanent glossy appearance along the crack is objectionable and if high injection pressure is not required, a strippable plastic surface sealer may be applied along the face of the crack.
- Mixing the epoxy. Follow the manufacturer instruction. Mixing is done by batch or continuous methods. In batch mixing, the adhesive components are premixed according to the manufacturer's instructions, usually with the use of a mechanical stirrer, like a paintmixing paddle. Care should be taken to mix only the amount of adhesive that can be used before commencement of gelling of the material. When the adhesive material begins to gel, its flow characteristics begin to change, and pressure injection becomes more and more difficult. In the continuous mixing system, the two liquid adhesive components pass through metering and driving pumps before passing through an automatic mixing head.

2) Routing and Sealing Routing and sealing Routing and sealing of cracks can be used in conditions requiring repair where structural repair is not necessary. This method involves enlarging the crack along its exposed face and filling and sealing it with a suitable joint sealant. Routing and sealing can be accomplished on vertical surfaces (with a non-sag sealant) as well as on curved surfaces (pipes, piles, and poles). Routing and sealing are used to treat both narrow and wide cracks. A common and effective use is for waterproofing by sealing cracks on the concrete surface where water stands or where hydrostatic pressure is applied. This treatment reduces the ability of moisture to reach the reinforcing steel or pass through the concrete, causing surface stains or other problems. The sealants may be any of several materials, including epoxies, urethanes, silicones, polysulfides, asphaltic materials, or polymer mortars. Cement grouts should be avoided due to the likelihood of cracking. The sealant should be sufficiently rigid to support the anticipated traffic. Routing and sealing consist of preparing a vertical walled groove at the surface typically ranging in depth from 1/4 to 1 in. A concrete saw or right-angle grinder may be used. The groove is then cleaned by air blasting, sandblasting, or water blasting, and dried. A sealant is placed into the dry groove and allowed to cure. A variation of this procedure is to provide load transfer by having epoxy fill or partially fill the crack by gravity. The vertical-walled groove is used as a reservoir for epoxy that is selected for an appropriate viscosity. The final step is to fill the vertical-walled groove with a high-viscosity, rigid epoxy. Active cracks should be repaired using a bond breaker at the base of the routed channel. A flexible sealant is then placed in the routed channel. It is important that the width-to-depth ratio of the channel is usually 2 or more. This permits the sealant to respond to movement of the crack with high extensibility. In some cases, over banding (backer rod) is used independently of or in conjunction with routing and sealing. This method is used to enhance protection from edge spalling and, for aesthetic reasons, to create a more uniform-appearing treatment. A typical procedure for over banding is to prepare an area approximately 1 to 3 in. (25 to 75 mm) on each side of the crack by sandblasting or other means of surface preparation and applying a coating (such as urethane) 0.04 to 0.08 in. (1 to 2 mm) thick in a band over the crack. Cracks subject to minimal movement may be over banded, but if significant movement can take place, routing and sealing should be used in conjunction with over banding to ensure a waterproof repair.

## 3) Gravity Filling

Gravity filling Low-viscosity epoxy, monomers and resins can be used to seal cracks with surface widths of 0.001 to 0.08 in. by gravity filling like High molecular-weight methacrylates, urethanes, and some low viscosity epoxy. The lower the viscosity, the finer the cracks that can be filled. The typical procedure is to clean the surface by air blasting, waterblasting, or both. Wet surfaces should be permitted to dry for several days to obtain the best crack filling. The material should be worked back and forth over the cracks to obtain maximum filling because the monomer or resin recedes slowly into the cracks. Excess material should be broomed off the surface to prevent slick, shining areas after curing. If the cracks contain significant amounts of silt, moisture, or other contaminants, the sealant cannot fill them take action with this. Water blasting followed by a drying time may be effective in cleaning and preparing these cracks.

## 4) Expansion Joint Backer Rod

• This method involves remove the existing expansion joint material along the mechanical routing, filling and sealing it with a suitable backer rod or any acceptable expansion joint substrate. Joint width to depth ratio should be 2 to 1 with a minimum depth of 1/4" or a maximum depth of 1". The diameter of the backer rod should be 1/8" larger than the width of the joint.

5) Fluid-applied vehicular traffic coating system per manufacturer recommendation.

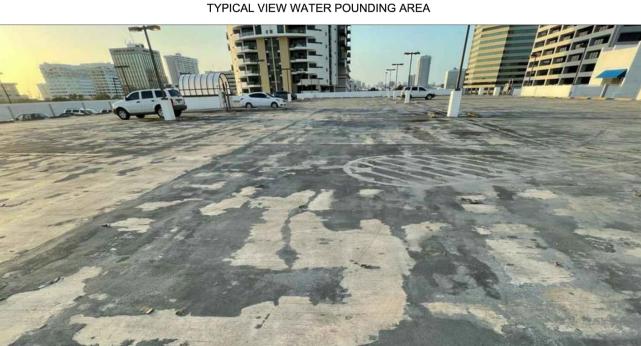
## **PROCEDURES**

PHOTO DOCUMENTATION

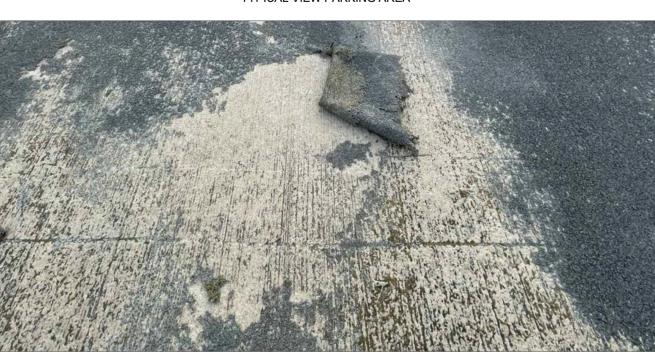


TYPICAL VIEW OF EXPANSION JOINT





TYPICAL VIEW PARKING AREA



DAMAGE TRAFFIC SEALER SYSTEM

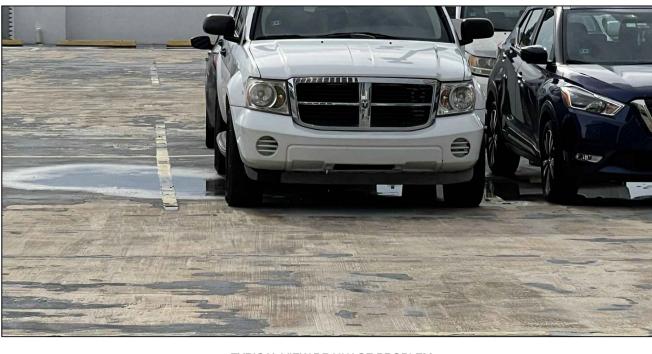


TYPICAL VIEW OF CRACKS

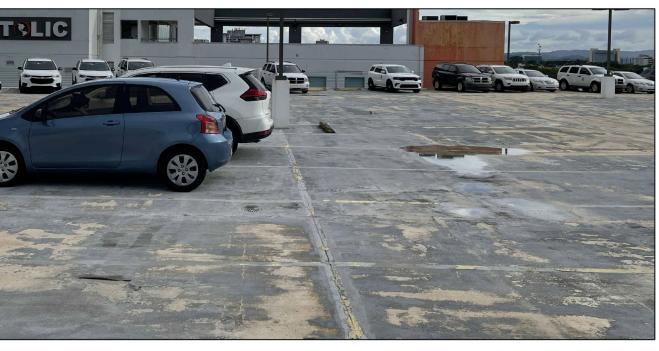
D-2



TYPICAL VIEW DRAINAGE PROBLEM



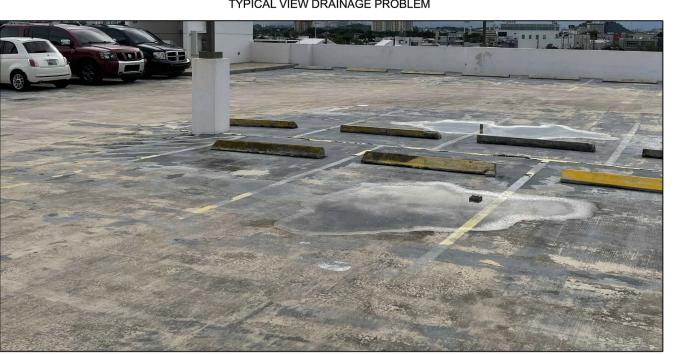
TYPICAL VIEW DRAINAGE PROBLEM



TYPICAL VIEW DRAINAGE PROBLEM



TYPICAL VIEW DRAINAGE PROBLEM



TYPICAL VIEW DRAINAGE PROBLEM

**ADDRESS** 

268 AVE. MUÑOZ RIVERA SAN JUAN P.R.

PODER JUDICIAL

REGISTER NO.

0 6 3 - 0 3 1 - 6 3 9 - 0 2

REVISIONS

REV. DATE DESCRIPTION BY CHK'D

MPORTANT NOTES TO THE CONTRACTOR: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE PROCEEDING WITH WORK. IF ANY DISCREPANCIES, ERRORS OR OMISSIONS SHOULD BE ENCOUNTERED ON PLANS, CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE ANY PART OF THE WORK IS STARTED SO THAT PROPER CORRECTIONS ARE MADE. IF ENGINEER IS NOT NOTIFIED PRIOR TO C O M M E N C I N G O F T H E W O R K. ALL DESIGNS AND DRAWINGS HEREIN AND PRINTS ISSUED BY THE NGINEER ARE THE PROPERTY OF THE ENGINEER AND SHALL NOT BE EUSED ON ANY OTHER LOCATION EXCEPT THE ONE FOR WHICH

HEY EXPRESSLY DESIGNED IF THESE DRAWINGS OR ANY PART THEREOF IS REPRODUCED O M M I S S I O N

CONTRACTOR SHALL NOT USE FOR CONSTRUCTION PURPOSES ANY ORAWINGS THAT WERE ADVANCE TO HIM PRIOR TO THE REGINNING OF CONSTRUCTION. ALL PLANS BEING USED BY CONTRACTOR SHOULD HAVE A LABEL SAYING ''FOR

CERTIFICATION

MENDED: ACT NO. 96 OF ILLLY 6, 1978, AS AMENDED: AS APPLICABLE LEDGE, MAKES ME RESPONSIBLE FOR ANY JUDICIAL AND



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SIGNATURE



Dwg Name: NIVEL 6.dwg

TITLE

Drawn by: INGENIUM PROFESSIONAL GROUP, PSC Revised by: Eng. W. Meléndez Rivas, #16383

Plot Scale:

**PROCEDURES** 

DRAWING NO.

C-500

PAGE: 27/30

# D-1 CONCRETE CURB (WHERE SHOWN ON PLANS) \_ PRE CAST CONCRETE WHEEL

O

TYPICAL PARKING DETAIL

R = 0.3048

- SIDEWALK

<del>/--3</del>'-10"-

4" WIDE PAINT STRIPE

(PAINT TRAFFIC YELLOW)

- CURB

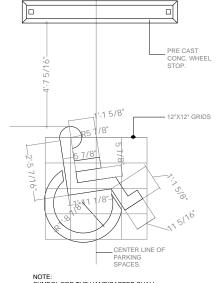
STEEL SPIKES -

STANDARD SYMBOL

4" WIDE PAINTED

STRIPE (TRAFFIC YELLOW PAINT)

HANDICAPPED



STANDARD PARKING FOR THE HANDICAPPED SYMBOL DETAIL NOT TO SCALE

## D-2 PAINT QUANTITY

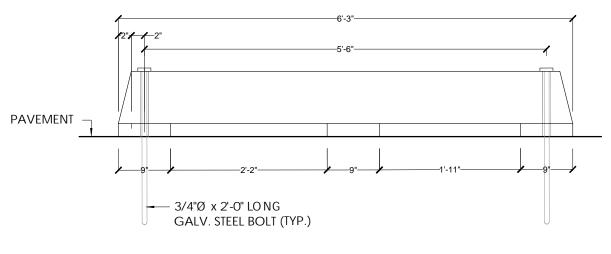
	Oficina d	e Administraciór	n de los Tribuna	les (OAT)	
		Paint C	Quantity		
		PARKING LO	OT STRIPES		
AREA	PARKING SPACE	ADA PARKING SPACE	TOTAL SPACE	LINEAR FEET (4" STRIPE)	GALLONS QTY
First Level	154	3	157	7,536	30
Second Level	251	6	257	12,336	49
Third Level	256	5	261	12,528	50
Fourth Level	239	5	244	11,712	47
Fifth Level	240	5	245	11,760	47
Sixth Level	242	5	247	11,856	47
TOTAL	1382	29	1411	67,728	271

	WHEEL STOPF	PER/BUMPERS	
AREA	PARKING SPACE	SQUARE FEET	GALLONS QTY
First Level	157	1178	22
Second Level	257	1928	36
Third Level	261	1958	36
Fourth Level	244	1830	34
Fifth Level	245	1838	34
Sixth Level	247	1853	34
TOTAL	1411	10583	196

### OTHER MARKING AREAS ON ALL FLOORS (ADA SIGN, CURBS, DIAGONAL LINES, WALKWAYS PADS, ARROWS) AREA SQUARE FEET **GALLONS QTY** Ada Sign 600 11 Curbs/Islands 2500 25 Diagonal Lines 1450 15 Walkways Pads 1500 15 Transit direction 560 marks Arrows 850 9 TOTAL 7460 80

STEEL BEAM	I, GIRDERS AND	COLUMNS - 3rd,	4th, 5th AND 6th LE	EVELS ONLY	
AREA	BEAMS W30X99	GIRDERS W24X55	COLUMNS W14X109	SQUARE FEET	GALLONS QTY
First Level	0	0	0	0	0
Second Level	0	0	0	0	0
Third Level	12785	57477	1418	71680	478
Fourth Level	12785	57477	1418	71680	478
Fifth Level	12785	57477	1418	71680	478
Sixth Level	0	0	0	0	0
TOTAL	38355	172431	4254	215040	1434

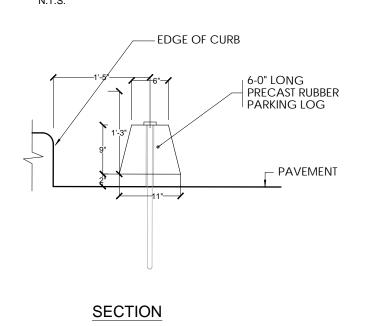
## TYPICAL PARKING FOR THE HANDICAPPED DETAIL



NOT TO SCALE

## **ELEVATION**

<del>// 4"</del>3'-10" //



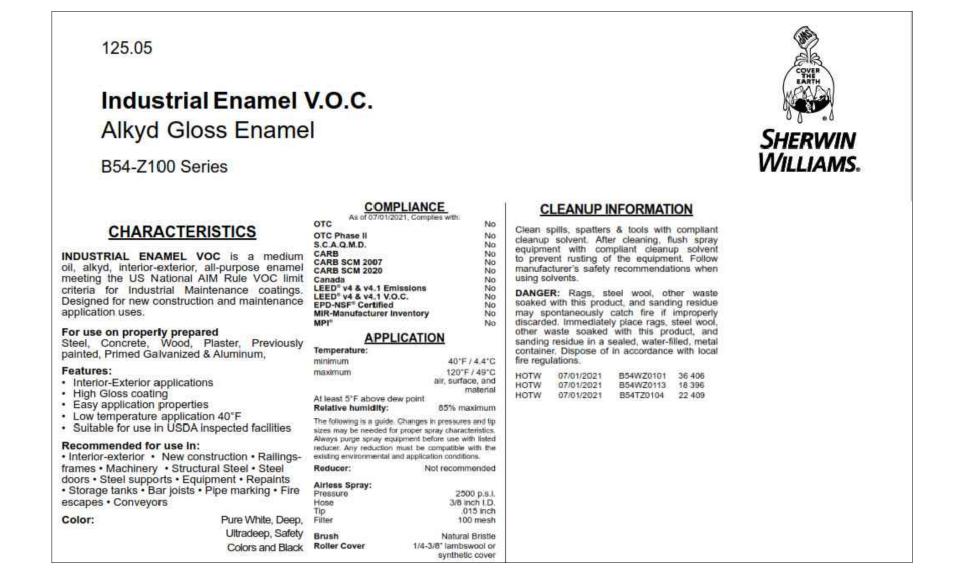
# **DETAILS I**

SCALE NTS

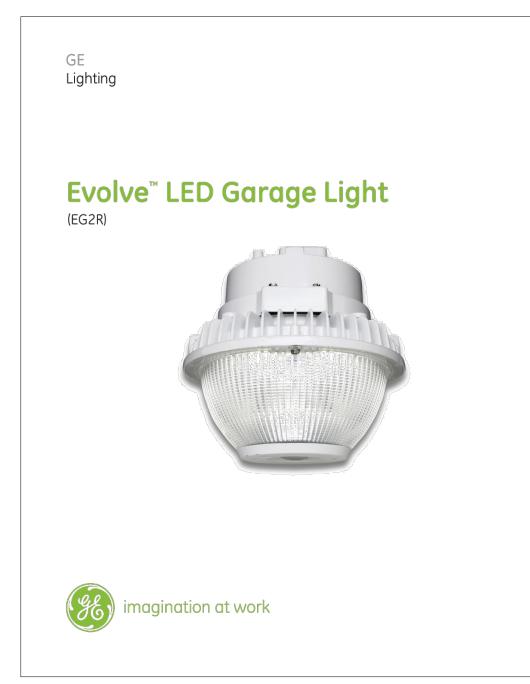
	Oficina d	e Administraciór	n de los Tribuna	les (OAT)	
		Paint C	Quantity		
		PARKING LO	OT STRIPES		
AREA	PARKING SPACE	ADA PARKING SPACE	TOTAL SPACE	LINEAR FEET (4" STRIPE)	GALLONS QTY
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Sixth Level	247	1853	34
TOTAL	1411	10583	196

# PAINT TECHNICAL SPECIFICATIONS: GIRDER, COLUMN AND STEEL BEAM PAINT



## SUGGESTED LIGHTING SYSTEMS



0 = 120-277 A5=56W, S040 Lumens P = Prismatic Polycorbonate S = Standard 50 = 5000K A0 = Primary Electric Disconnect with MPP+C\* WHTE = White H = Motion Sensor

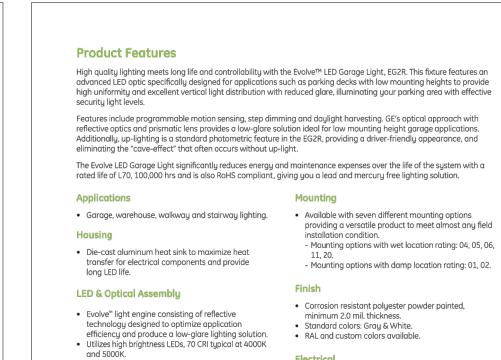
 Type V Symmetric
 A5
 5,040
 5,040
 56
 EG2R\_ASPS40\_120-277V.IES
 EG2R\_ASPS50\_120-277V.IES

Ordering Number Logic

Evolve™ LED Garage Light (EG2R)

Photometrics

Evolve™ LED Garage Light (EG2R)



 Projected L70(10K) > 100,000 at Ta 25C per IES TM-21. Class "A" Sound rating.EMI: Title 47 CFR 15 Class A. Ratings • **(h)**/•**(h)** listed per UL 1598. UL 8750 LED equipment in Lighting Products. IP65 rated optical enclosure per ANSI C136.25-2009.
 Vibration rating at 1G (min) on 2 axis, per ANSI "D" Option. C136.31-2010.

• Driver Rated Life >=100,000 hrs for fixture max

Recommended for lower mounting heights between 8-15 ft, this sensor provides excellent pedestrian coverage of greater than 2x the mounting height.

In a garage application, 360° of coverage is achievable, allowing the sensor detection to closely match the lighting distribution of a typical garage.

Comes standard with 50% dimmed light output with no occupancy, and full

• Comes standard with a 5 minute occupancy time delay and a 5 minute ramp-down to the 50% dimmed level.

**Garage with Motion Sensor** 

\* Standard options may be reprogrammed in the field. Contact manufacturer for reprogramming instructions

120-277 volt.

• System power factor is >90% and THD <20%

Lumen Maintenance

ambient at or below 40°C.

Temperature rated at -40° to 50°C ambient.

Title 24 compliant with occupancy sensor.

H-Motion Sensing Option:

power at occupancy.

**Product Dimensions** 

REVISIONS Integral surge protection exceeds ANSI C136.2-2015
 "Basic" (6kV/3kA - 120 Events). REV. DATE DESCRIPTION BY CHK'D Dimming:
 Wired 0-10V continuous dimming, Order with

ADDRESS

OWNER

REGISTER NO.

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0 6 3 - 0 3 1 - 6 3 9 - 0 2

Optional standalone motion sensor dimming.

\_\_\_\_\_

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CONTRACTOR SHALL NOT USE FOR CONSTRUCTION PURPOSES ANY DRAWINGS THAT WERE ADVANCE TO HIM PRIOR TO THE BEGINNING OF CONSTRUCTION. ALL PLANS BEING USED BY CONTRACTOR SHOULD HAVE A LABEL SAYING "FOR CONSTRUCTION ONLY" SIGNED AND SEALED BY THE ENGINEER.

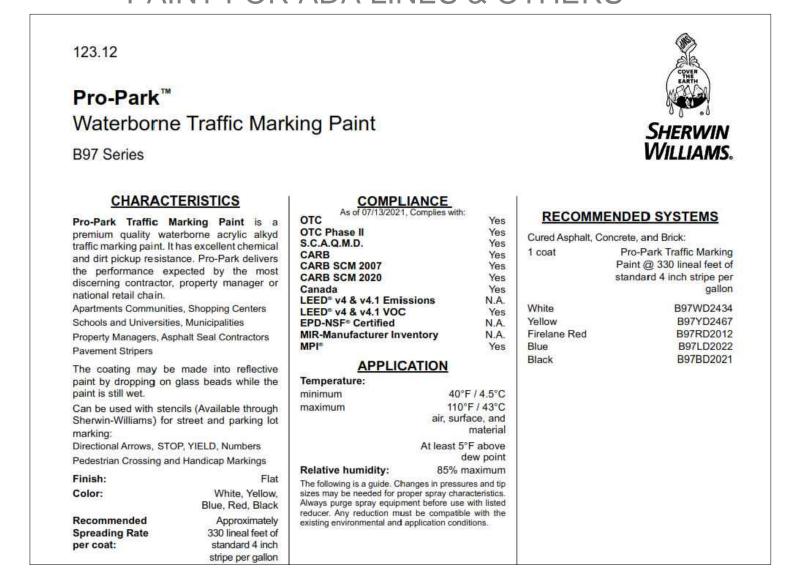
## CERTIFICATION

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## PAINT TECHNICAL SPECIFICATIONS: PAINT FOR ADA LINES & OTHERS



SIGNATURE



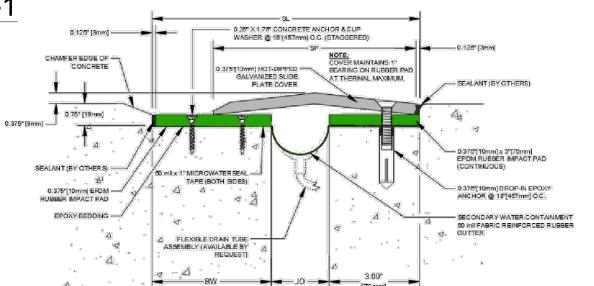
Dwg Name: NIVEL 6.dwg Drawn by: INGENIUM PROFESSIONAL GROUP, PSC Revised by: Eng. W. Meléndez Rivas, #16383

Plot Scale: May 11, 2022

**DETAILS I** 

DRAWING NO. C-501

PAGE: 28/30



## JOINTS BETWEEN BUILDINGS

Joints will be replaced and concrete will be repaired where required following best construction practices. In cases where the separation between structures in the joint is less than 3 ", it must be corrected as follows:

Remove and replace the missing covers or existing gasket material. You should mark as a guide the cut to be made on the most convenient side until you achieve said separation of 3 ". Use whatever equipment you think is necessary to make the cut. Such as a saw or polisher with a carbide or diamond disc for a clean cut in concrete

and reinforcement If any reinforcement is exposed, it must be protected by applying epoxy cement—steel. On the other hand, if the reinforcement is oxidized, it must be removed using a metal wire brush until the oxide is eliminated, apply MAPEFER 1K or similar and then the epoxy-cement-steel and, if required, apply a mortar as plastering; for the mortar see the PAINTING section. Install the joint cover according to the manufacturer, always one end is fixed and the other is free for movement, in compliance with all codes and regulations in force to date.

JO = 3% Height in inches measured from first floor level as a starting point. JO varies according to the height of the mezzanine where the joint will be worked. SP = J0 + 6"

BW = 6" SL = BW + JO + 3

## A-2

### TABLE R606.2.8 MORTAR PROPORTIONS<sup>a, b</sup> PROPORTIONS BY VOLUME (cementitious materials) Aggregate Portland Mortar Masonry ratio Hydrated cement cement cement (measured lime<sup>c</sup> or MORTAR TYPE or in damp. lime blended putty cement loose conditions) over 1/ lime to 11/4 over 11/ Not less to 2<sup>1</sup>/<sub>2</sub> than 2<sup>1</sup>/ not more than 3 times Mortar the sum of cement separate volumes of lime, if used, and cement cement

a. For the purpose of these specifications, the weight of 1 cubic foot of the respective materials shall be considered to be as follo Weight printed or Portland cement Hydrated lime 80 pounds of dry Lime putty Sand, damp and b. Two air-entraining materials shall not be combined in mortan

For SI: 1 cubic foot = 0.0283 m<sup>-5</sup>, 1 pound = 0.454 kg

The plaster mixture must meet the following specification which is part of the PRBC 2018 (Puerto Rico Building Code 2018).

c. Hydrated lime conforming to the requirements of ASTM C207.

The reason for the calculation by volume is based on the Puerto Rico Building Code 2018 and its amendments, the calculation of the plastering mix considers, not only the cement, water and sand by volume but also the lime. Table 1 is from the PRBC 2018 and is the correct way for an engineer to calculate this and not by square footage without considering the type of proportion of each material to be purchased. Example 1: 4: 1.5: 2 means 1 cubic feet of cement, 4 cubic feet of sand, 1.5 cubic feet of lime, and no more than 2 cubic feet of water. It is recommended to use acrylic fortifier instead of the water portion depending on the product, for plaster exposed to the elements, since it creates a greater adherence and it does not sulfate when exposed to rain or in places with internal leaks. The properties of acrylic fortifier improve the performance of plaster.

## A-3 **AUTO GARD**

Availability:

### 7475 (47MJB) **Integrally Textured Aliphatic Urethane**

Description: 7475 series (Hempel 47MJB) is an integrally textured, single-component, aliphatic urethane. As a weather protective topcoat the Neogard Auto-Gard T vehicular traffic-bearing waterproofing Recommended use:

Available in North America. Not included in Group Assortment; other regions must confirm.

Some standard colors and/or packaging may have extended lead times and/or minimum quantities. Contact

The above tested results are typical values. Individual lots may vary up to 10% from the typical value. Further

Handle with care. Use with adequate ventilation. Before and during use, observe all safety labels

on packaging and paint containers, consult Neogard Safety Data Sheets and follow all local or

## Colors and packaging:

•	•	_
7475-002 (47MJB16	650)	
7475-002 (47MJB10	,	
7475-041 (47MJB16	,	
7475-058 (47MJB61	,	

5-gallon pails Charcoal Gray Dark Maple

Neogard for additional colors.

## Physical constants

•		
Tensile strength	2,500 psi	ASTM D412
Elongation	250%	ASTM D412
Permanent set	<20%	ASTM D412
Tear resistance	400 pli	ASTM D1004
Water resistance	1%, 7 days	ASTM D471
MVT at 20 mils	2.5 English Perm	ASTM E96
Taber abrasion	10 mg/1,000 CS-17	ASTM D4060
Shore A	88–92	ASTM D2240
Adhesion	>400 psi	ASTM D4541
	•	
Weight/gallon	9.74 lbs/gal	ASTM D1475
Weight solids	85.9% at 12 hours	ASTM D4209
Volume solids	81.2%	Calculated
VOC	163.4 g/L	EPA Method 24
Viscosity	KU	ASTM D2196
Flash point	110°F/43°C	By Comparison
Shelf life	1 year	
SRI value: 7470-011	82	ASTM E1980-01
Cure to recoat at 75°F/23°C,	8–12 hours, 72 hours for	

technical information can be found at www.neogard.com.

## Application details:

50% relative humidity

Squeegee or r
Hempel's Thin
•
Mix for 3–5 mi
Hempel's Thin

r roller (do not dip and roll from container) inner 08080 (xylene) (10%) ninutes before applying; Jiffy Mixer paddle recommended

national safety regulations. Substrate temperature must be between 40°F/4°C and 110°F/32°C. Application conditions:

vehicular traffic

Preceding coat: According to Neogard Guide Specifications.

Accelerators and additives:

7986 (994JB00000): Odor mask, synthetic vanilla scent. 7923 (9505300000): Accelerator for single component urethanes. 7931 (9905500000): Fast accelerator for use in low humidity environments.

Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C. Storage temperature: Remarks Not recommended for constant immersion. Do not apply over asphaltic compounds. For on-grade applications, substrates constructed over unvented metal decks or between-slab applications,

Hempel (USA) – 47MJB This Product Data Sheet ("PDS") relates to the supplied product ("Product") and is subject to update from time-to-time. Accordingly, the buyer/applicator should refer to the PDS current as of the time of delivery. In addition to the PDS, the buyer/applicator may receive some or all of the specifications, statements and/or guidelines listed below or

contact Neogard Technical Service.

7475 is for professional use only.

available at www.neogard.com (the "Additional Documents"):

technical information )

Guide Specification Application Manual

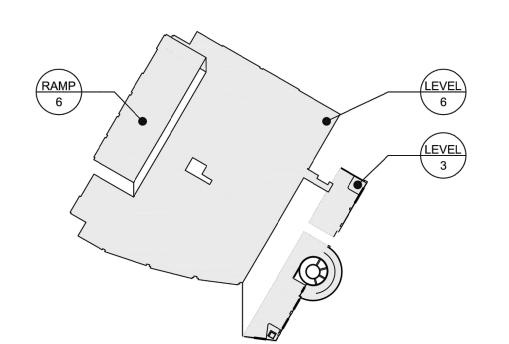
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## VEHICULAR TRAFFIC-BEARING WATERPROOFING

105,512 SQFT. aprox. FLOOR AREA



## D-6

CONTRACTOR MUST REPLACE ALL EXISTING STRUCTURAL STEEL BEAM. APPROXIMATELY 12 FT LONG. CONTRACTOR MUST SUBMIT A STRUCTURAL STUDY AND SECURE THE EXISTING STRUCTURE AT THE TIME OF REPLACEMENT. CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR APPROVAL CERTIFIED BY A STRUCTURAL SPECIALIST

## A-4 AC - 3434

INDUSTRIAL ANTICORROSIVE IS AN ALKYD-OIL ENAMEL WITH GOOD FLEXIBILITY, DURABILITY, WEATHERABILITY, AND MOISTURE RESISTANCE, IT IS AN ENAMEL OF VERY GOOD FINISH AND CHALK FORMING RESISTANCE. WORKS AS A BASE AND QUALITY ANTICORROSIVE PAINT FOR METALS. CONTAINS PIGMENTS THAT ELIMINATE RUST IN METALS. FOR INDOOR AND OUTDOOR USE. IT ADHERES STRONGLY TO THE CLEAN METAL AND TO THE FINAL COAT.

- HIGHLY DURABLE FOR INDOOR AND OUTDOOR USE
- EXCELLENT ADHESION HIGH SOLIDS CONCENTRATION
- FAST DRYING TIME DOES NOT PEEL OR BECOMES FLAKY DOES NOT CONTAIN HEAVY METALS OR LEAD DURABLE AND STRONG
- GOOD COLOR RETENTION AND COVERAGE DOES NOT BECOME YELLOWISH EASY TO CLEAN

## SURFACE PREPARATION:

REMOVES ALL LOOSE MILL SCALE, LOOSE RUST. LOOSE PAINT, AND OTHER LOOSE DETRIMENTAL FOREIGN MATTER BY POWER WIRE BRUSHING, POWER SANDING, POWER GRINDING, POWER TOOL CHIPPING, AND POWER TOOL DESCALING.

PREVIOUSLY PAINTED SURFACES: CLEAN SURFACE OF ALL LOOSE, PEELING PAINT AND FOREIGN MATERIAL: SPOT PRIME BARE METAL AREAS, IF THE PAINT IS OLD, PEELING OR BADLY WEATHERED, HAND TOOL CLEAN (SSPC-SP2) OR POWER TOOL CLEAN (SSPC-SP3). GLOSSY OR SMOOTH SURFACES SHOULD BE

SANDED, IF POOR ADHESION OF EXISTING COATINGS IS NOTED OR COATING IS LOOSED BY BLISTERING, RUPTURE OR SCRATCHING, ADDITIONAL ABRASION OR REMOVAL METHODS MAY BE

NECESSARY TO PROVIDE A CLEAN AND SOUND SURFACE. PRIMER, APPLY 1 COAT: PRIMER

PAINT, APPLY 2 COATS: INDUSTRIAL ANTICORROSIVETM

## A-5

- ALL DRAINS MUST BE: PROPERLY INSPECTED AND FIXED.
- CLEANED UNCAPPED
- 4. SEALED PROPERLY
- 5. IF THE DRAINAGE PIPE DOES NOT HAVE A COVER, IT MUST BE PROVIDED WITH ONE OF THE EXACT DIAMETER.

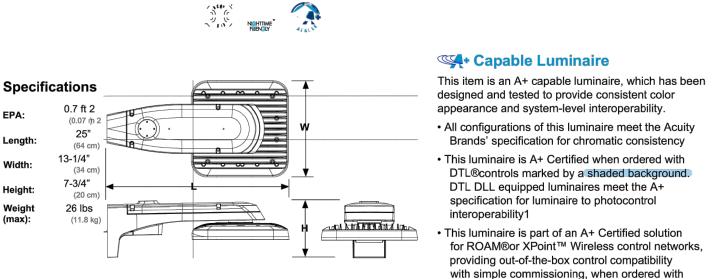
# REQUIREMENT:

- EXCELLENT OUTDOOR DURABILITY
- HIGH RESISTANCE TO FOULING HIGH RESISTANCE TO WEAR
- FAST TOUCH-UP TIME. 5. COMPLIES WITH FEDERAL SPECIFICATION TT-B-1352D:
- 1. TYPE 1 GRADE A DROP ON (MANUAL APPLICATION) 2. TYPE 1 GRADE B PRE-MIX (PREMIXED)

## A-8

CRACKS WITH SEPARATION LESS THAN 1/4 ": THEY SHOULD BE CLEANED, DECONTAMINATED OF CHEMICAL RESIDUES, DUST AND / OR OILS. THEY WILL BE CORRECTED WITH PRESSURE ELASTOMERIC INJECTION. THE SURFACE MUST BE CLEAN AND CLOUD.

# KAX LED Size 1 LED Area Luminaire



### background1 To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details. 2. A+ Certified Solutions for ROAM require the order

of one ROAM node per luminaire. Sold Separately: Link to Roam: Link to DTL DLL

drivers and control options marked by a shaded

Rev. 03/28/18 Page 1 of 4

KAX1-LED Rev. 03/28/18

EXAMPLE: KAX1 LED P4 40K R3 MVOLT SPA DDBXD Ordering Information KAX1 LED KAX1 LED P1 30K 3000 K R3 Type 3 Shipped included SPA Square pole mounting 40K 4000 K P2 R4 Type 4 50K 5000 K R5 Type 5 RPA Round pole mounting (includes round and square mounting

Control options		Other options		Finish (required)	
Shipped installed		Shipped installed		DDBXD	Dark bronze
PER	NEMA twist-lock receptacle only (Controls order separate) 4,5,6	HS	House-side shield 10	DBLXD	Black
PER5	Five-wire receptacle only (Controls order separate) 4,5,6	SF	Single fuse (120, 277, 347V) 2	DNAXD	Natural aluminum
PER7	Seven-wire receptacle only (Controls order separate) 4,5,6	DF	Double fuse (208, 240, 480V) 3	DWHXD	White
PIR	Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc 7,8		Tilt arm	DDBTXD	Textured dark bronze
			ed separately	DBLBXD	Textured black
PIRH	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient	BS	Bird spikes 10	DNATXD	Textured natural aluminum
	sensor enabled at 5fc 7,8	EGS	External glare shield 10	DWHGXI	DTextured white
	3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambien enabled at 1fc 7,8	t			
	Field adjustable output 9				

/HGXDTextured white PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height,

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ambient sensor enabled at 1fc 7,8 A LITH NIA

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Accessorie DLL347F 1.5 CUL JPhotocell - SSL twist-lock (347V) 11 4 See PER Table on page 3. DLL480F 1.5 CUL JPhotocell - SSL twist-lock (480V) 1 SHORT SBK U Shorting cap 11 KMA DDBXD U Mast arm mounting bracket adaptor (specify finish) 12 KAX1HS P1/P2 U House-side shield (P1, P2) KAX1HS P3/P4 U House-side shield (P3, P4) KAXBS U Bird spikes KAX1EGS U External glare shield

A+ Capable options indicated

1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz) Ordered and shipped separately.

2 Must specify 120, 277, or 347V when ordering SF option.

DLL127F 1.5 JU Photocell - SSL twist-lock (120-277V) 113 Must specify 208, 240, or 480V when ordering DF option. 5 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included 6 If ROAM node required, it must be ordered and shipped as a separate line from Acuity Brands Controls. Shorting Cap included 7 Reference Motion Sensor Table on page 3. 8 Reference PER Table on page 3 to see functionality. 9 Not available with other controls option.

10 Also available as a separate accessory, see Accessories information.

11 Requires luminaire to be specified with PER option. See PER Table on page 3. 12 For use with 2-3/8" mast arm (not included). RK1 KAX1WBA (FINISH) U Wall mount bracket

# Handhole

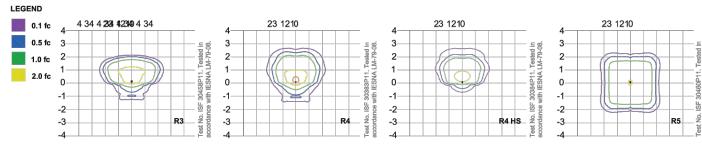
For more control options, visit DTL and ROAM online.

Pole drilling nomenclature: # of heads at degree from handhole (default side A) 2 @ 280° | 2 @ 90° | 3 @ 120° | 3 @ 90° | 4 @ 90

Side B Side B & D Side B & C Round pole onlySide B, C, & DSides A, B, C, D Note: Review luminaire spec sheet for specific nomenclature Tenon Mounting Slipfitter 4" AST35-190 AST35-280 AST35-290 AST35-320 AST35-390 AST35-490 \*3@120° is Round Pole only.

# Template #8 \_\_\_\_Top of Pole

# To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's KAX1 Area Light homepage



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268 AVE. MUÑOZ RIVERA SAN JUAN P.R.

## OWNER

PODER JUDICIAL

## REGISTER NO.

0 6 3 - 0 3 1 - 6 3 9 - 0 2

## REVISIONS

REV. DATE DESCRIPTION BY CHK'D 

\_\_\_\_\_\_\_\_\_\_\_ IMPORTANT NOTES TO THE CONTRACTOR:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE PROCEEDING WITH WORK. IF ANY DISCREPANCIES, ERRORS OR OMISSIONS SHOULD BE ENCOUNTERED ON PLANS, CONTRACTOR SHALL NOTIFY THE ENGINEER BEFOR ANY PART OF THE WORK IS STARTED SO THAT PROPER CORRECTIONS ARE MADE. IF ENGINEER IS NOT NOTIFIED PRIOR TO C O M M E N C I N G O F T H E W O R K . ALL DESIGNS AND DRAWINGS HEREIN AND PRINTS ISSUED BY THE

REUSED ON ANY OTHER LOCATION EXCEPT THE ONE FOR WHICH T H E Y E X P R E S S L Y D E S I G N E D . IF THESE DRAWINGS OR ANY PART THEREOF IS REPRODUCED WITHOUT THE CONSENT OF THE ENGINEER. THE PERSON WHO IS DOING WILL BE INDEBTED TO THE ENGINEER FOR HIS FULL
C O M M I S S I O N .

ENGINEER ARE THE PROPERTY OF THE ENGINEER AND SHALL NOT BE

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## CERTIFICATION

I WILLIAM MELENDET DIVAS LIC 16383 CERTIEV THAT I AM THE PROFESSIONAL WHO [MADE, DESIGNED OR PREPARED] THESE PLANS AND THE COMPLEMENTARY SPECIFICATIONS. LALSO CERTIFY THAT FORCE OF THE AGENCIES, REGULATORY BOARDS OR PUB CORPORATIONS WITH JURISDICTION, I FURTHER CERTIFY THAT COMPLIED WITH THE PROVISIONS OF LAW 14-2004. AS AMENDED KNOWN AS THE "LAW FOR INVESTMENT BY THE PUERTO RICAN INDUSTRY" AND WITH THE [LAW NO. 319 OF MAY 15, 1938, AS AMENDED; ACT NO. 96 OF JULY 6, 1978, AS AMENDED; AS APPLICABLE] ACKNOWLEDGE THAT ANY FALSE STATEMENT OR MISREPRESENTATION OF FACTS THAT HAS BEEN PRODUCED BY IGNORANCE OR NEGLIGENO KNOWLEDGE, MAKES ME RESPONSIBLE FOR ANY JUDICIAL AND



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## SIGNATURE



Dwg Name: NIVEL 6.dwg INGENIUM PROFESSIONAL GROUP, PSO Revised by: Eng. W. Meléndez Rivas, #16383 Plot Scale:

May 11, 2022

**DETAILS II** 

## DRAWING NO.

C-502

**DETAILS II** 

TYPICAL STRUCTURAL PHOTO DOCUMENTATION

ELEMENTS WITH CORROSION AND PAINT DAMAGE

# D-6 TYPICAL VIEW ELEMENTS WITH CORROSION AND PAINT DAMAGE TYPICAL VIEW WATER INTRUSION BETWEEN CONCRETE PARAPET AND STEEL TYPICAL VIEW ELEMENTS WITH CORROSION AND PAINT DAMAGE TYPICAL VIEW ELEMENTS WITH CORROSION AND PAINT DAMAGE TYPICAL VIEW

STRUCTURAL DETAILS

SCALE NTS

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REVISIONS

REV. DATE DESCRIPTION BY CHK'D

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Dwg Name: NIVEL 6.dwg

Drawn by: INGENIUM PROFESSIONAL GROUP,PSC Revised by: Erg. W. Meléndez Rivas, #16383 Plot Scale:

May 11, 2022

STRUCTURAL DETAILS

DRAWING NO. S-100

PAGE: 30/30