

# ZipTwo® ArmStrong® DynaMax™ Data Center Lighting Layouts

Lighting guide to inform ZipTwo product selection for data centers.

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Technical Support: 707.996.9898 | [technicalsupport@vode.com](mailto:technicalsupport@vode.com)

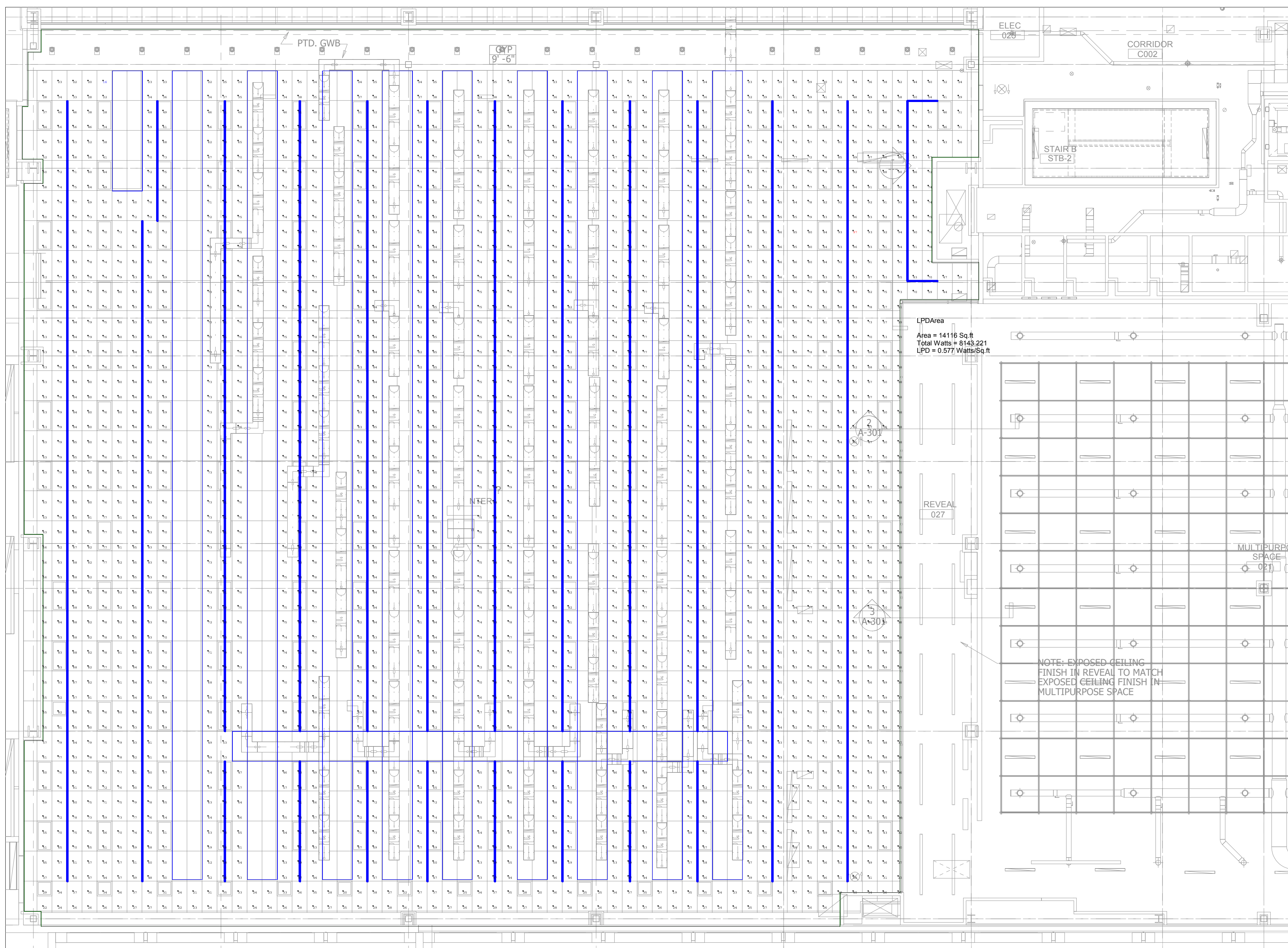
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## Lighting Layouts

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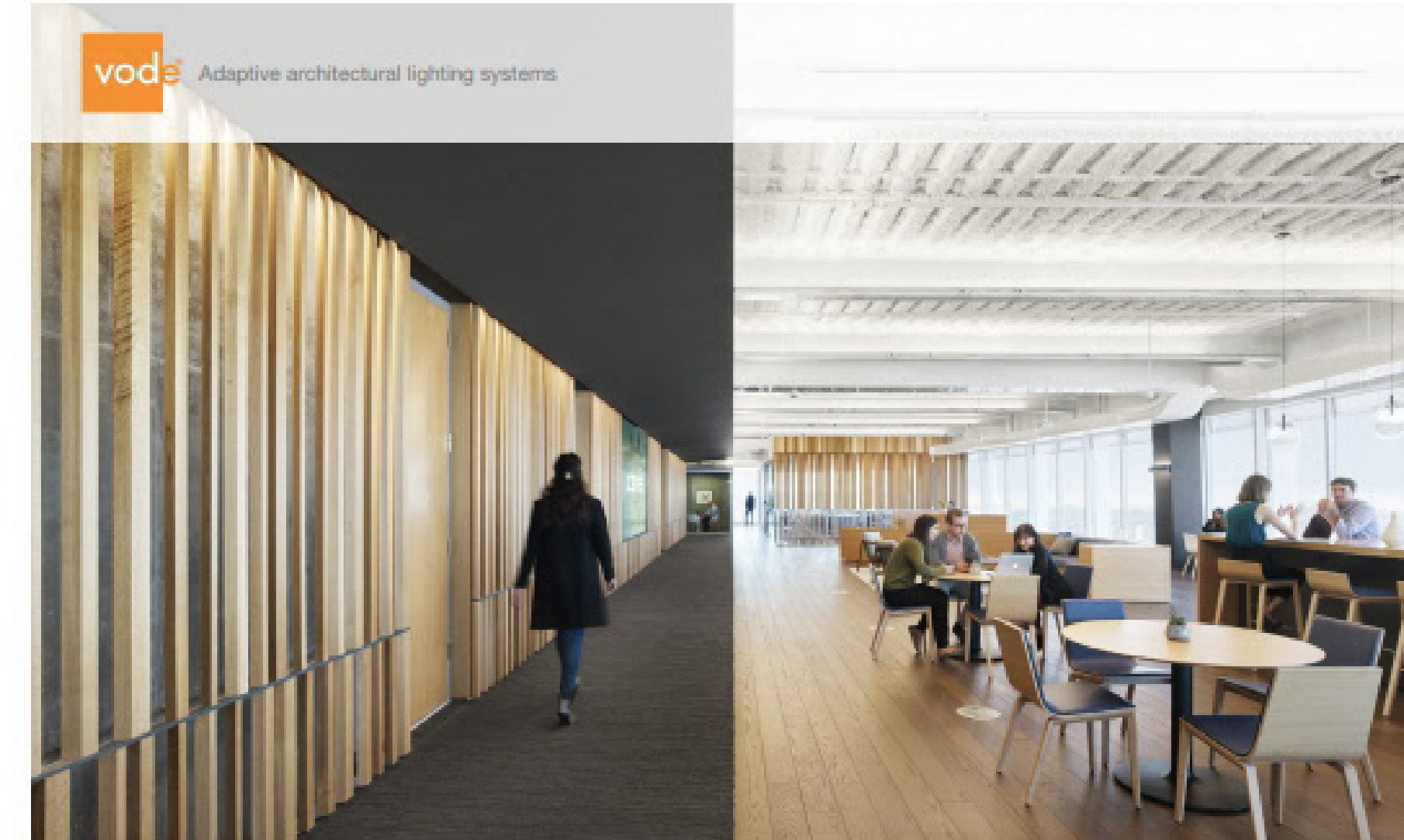
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Luminaire Schedule					
Symbol	Qty	Label	LLF	Description	Arr. Watts
	312	V1-D3	0.900	707-Z2-48-Z-SO-359-D3-AL	26.1

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
DATA CENTER_Workplane	Illuminance	Fc	69.34	97	16	4.33	6.06

LPD Area Summary			
Label	Area	Total Watts	LPD
LPDArea	14116	8143.221	0.577

### ZipTwo | Micro 3508 | Diffuse (D3)



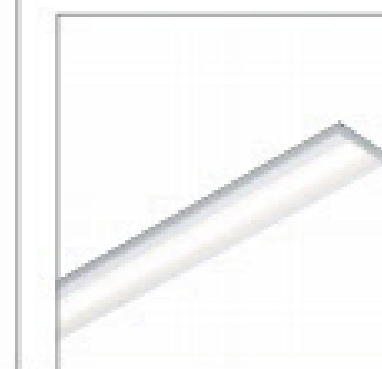
#### Spec Guide ZipTwo® | Micro 3508 | 707

Direct lighting for open office, wall wash and grazing applications.



Micro 3508, 85° Asymmetric, white

**Benefits & Features**  
**Micro Profile, Robust Design**  
 Flat profile: 1.36" (35mm) x 0.31" (8mm).  
**Superior Light Quality & Performance**  
 Output up to 1575 lmft (5168 lm) (ft/c), 161 lm/W (HO), 80 or 90 CRI & tunable white (2200K-5000K) available.  
**Versatile Mounting Options, Easy Installation**  
 Magnet with tape-on metal strip or low profile clip allow for mounting to almost any surface or T-Bar ceiling.  
**Better Optics & Beam Control**  
 Options of Diffuse, 120°, 60°, 40° and 85° (asymmetric) lens for general illumination, grazing or wall wash. Excellent glare control with optical film and MicroBaffle™.



Micro 3508, 120° Symmetric, white



Micro 3508, 40° Symmetric, black

ZipTwo® | Micro 3508 | 707 • 1

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Date: 12/22/2020

PROJECT:

# Data centers/DynaMax

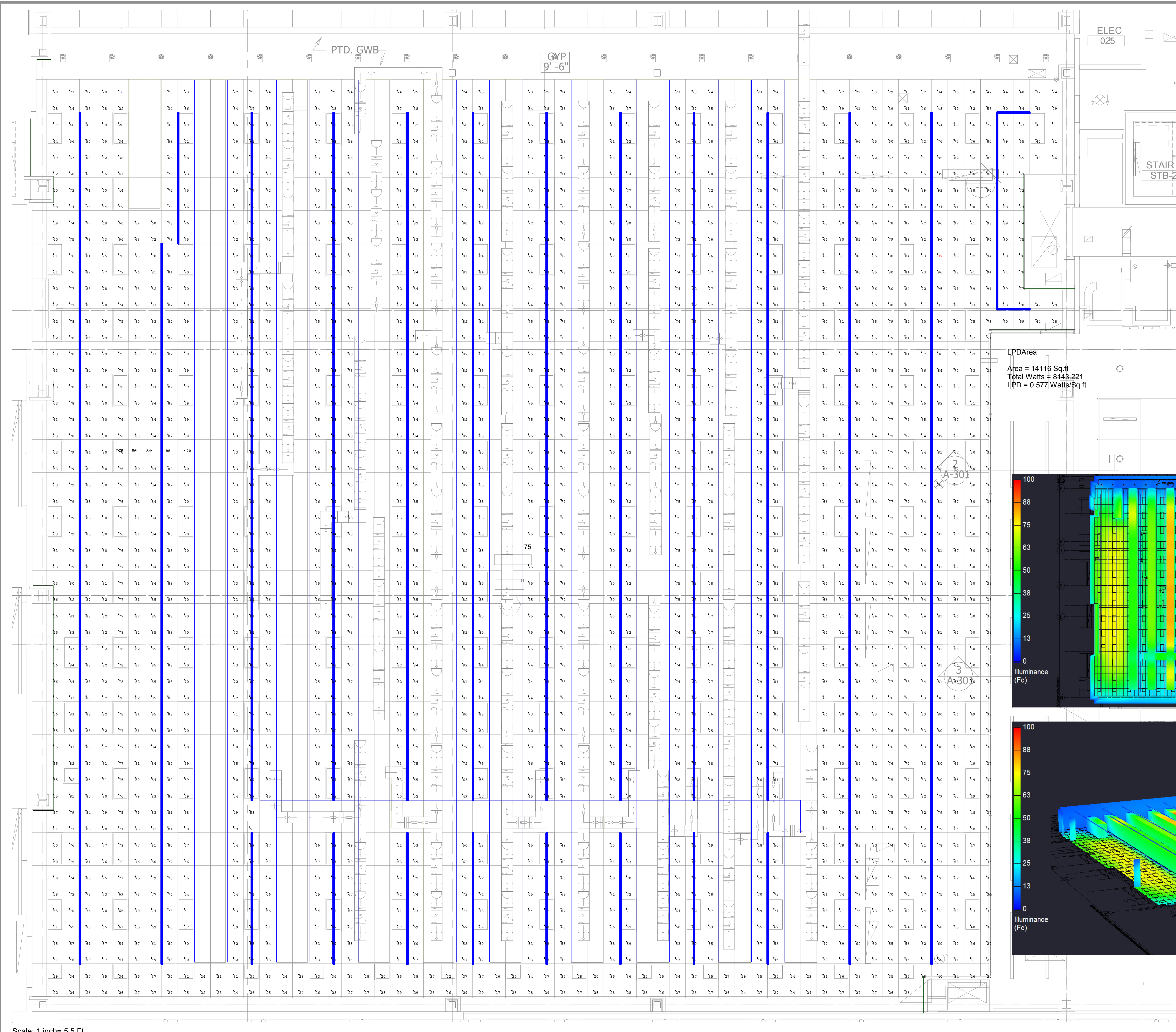
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Drawing:  
Lighting Study

Design By: N.K.

Drawing Number:  
1

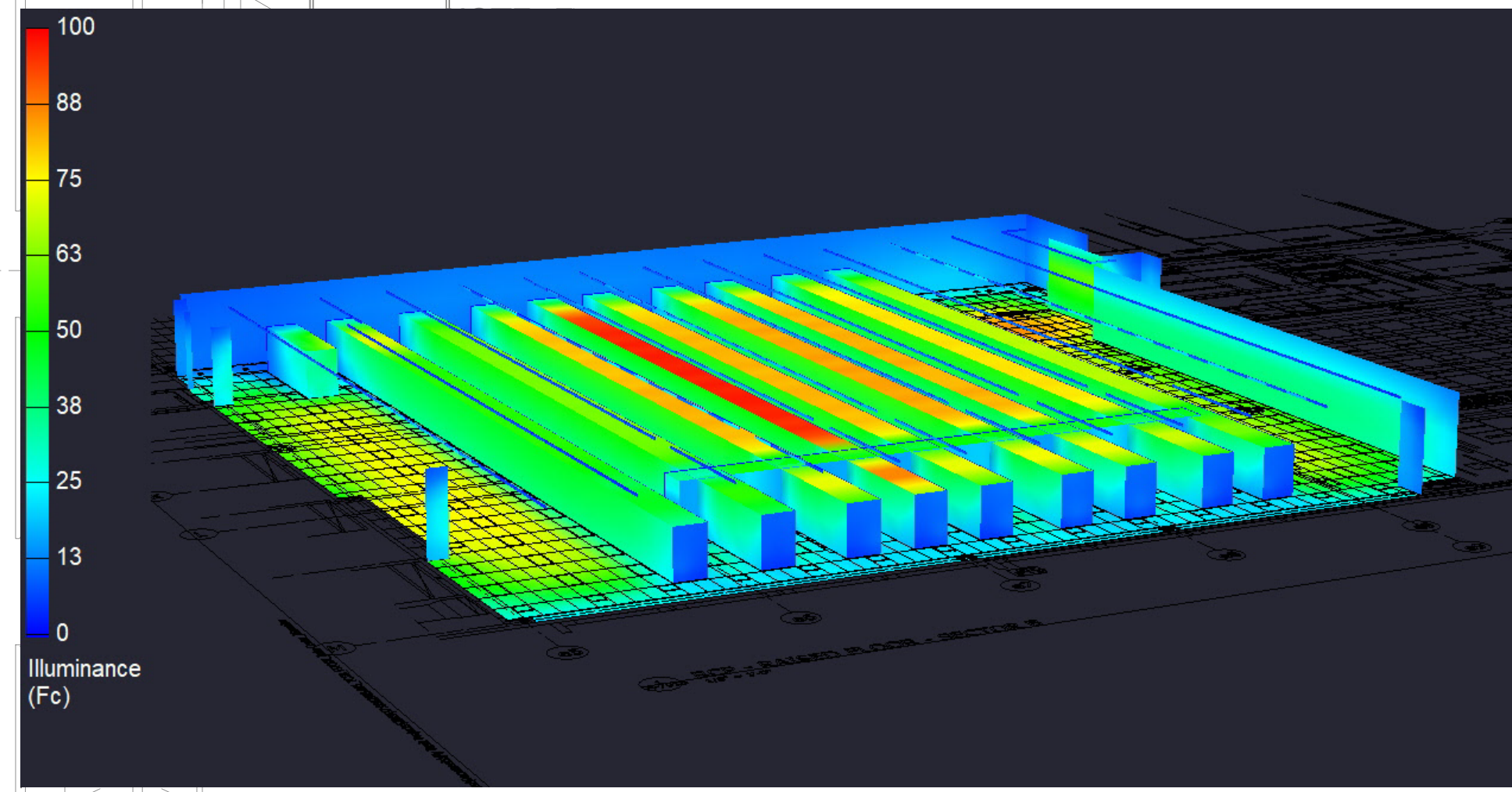
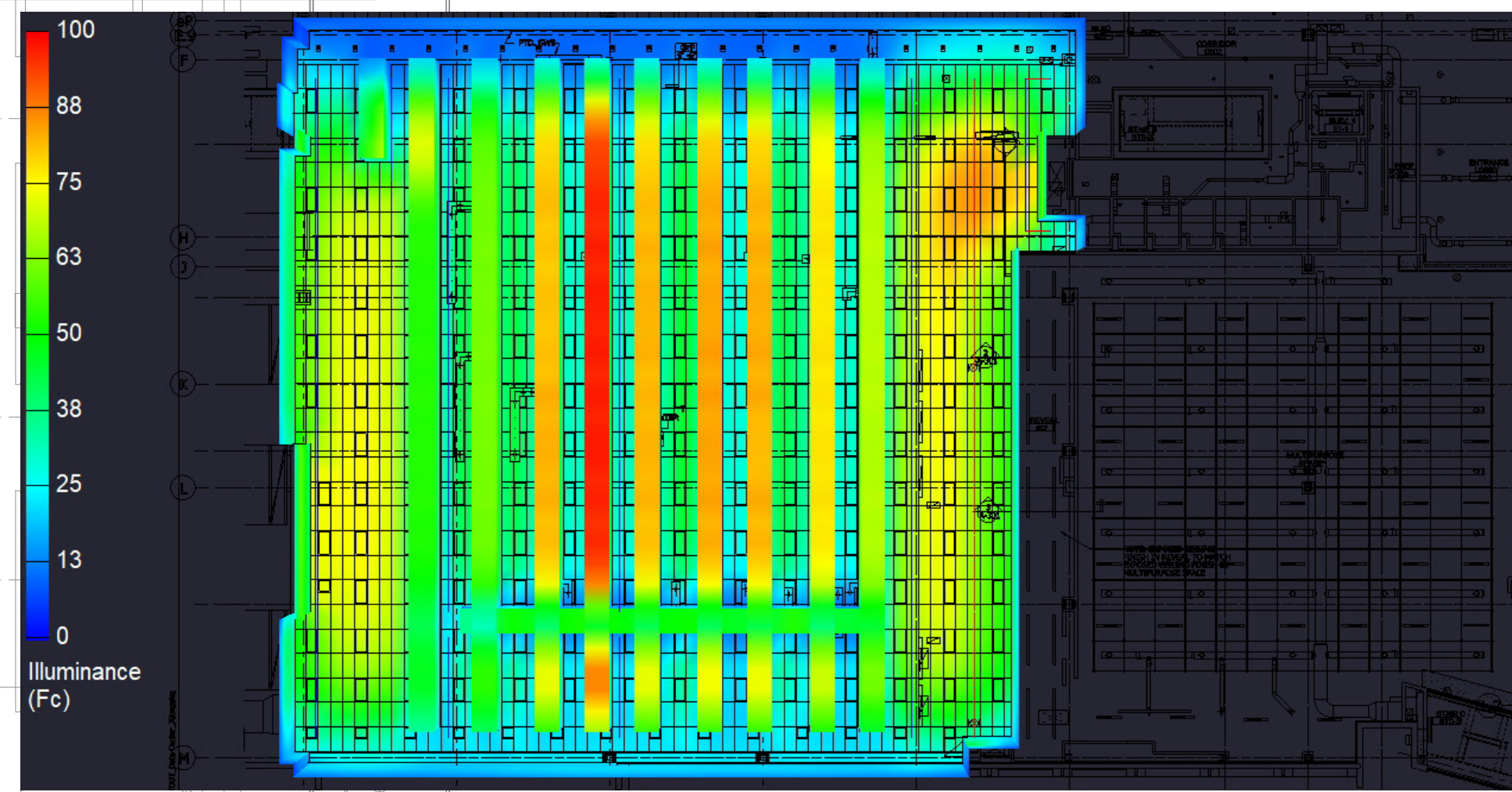




ELEC 025

STAIR 1 STB-2

LPDArea  
 Area = 14116 Sq.ft  
 Total Watts = 8143.221  
 LPD = 0.577 Watts/Sq.ft



Scale: 1 inch= 5.5 Ft.

Date: 12/22/2020

PROJECT:

# Data centers/DynaMax

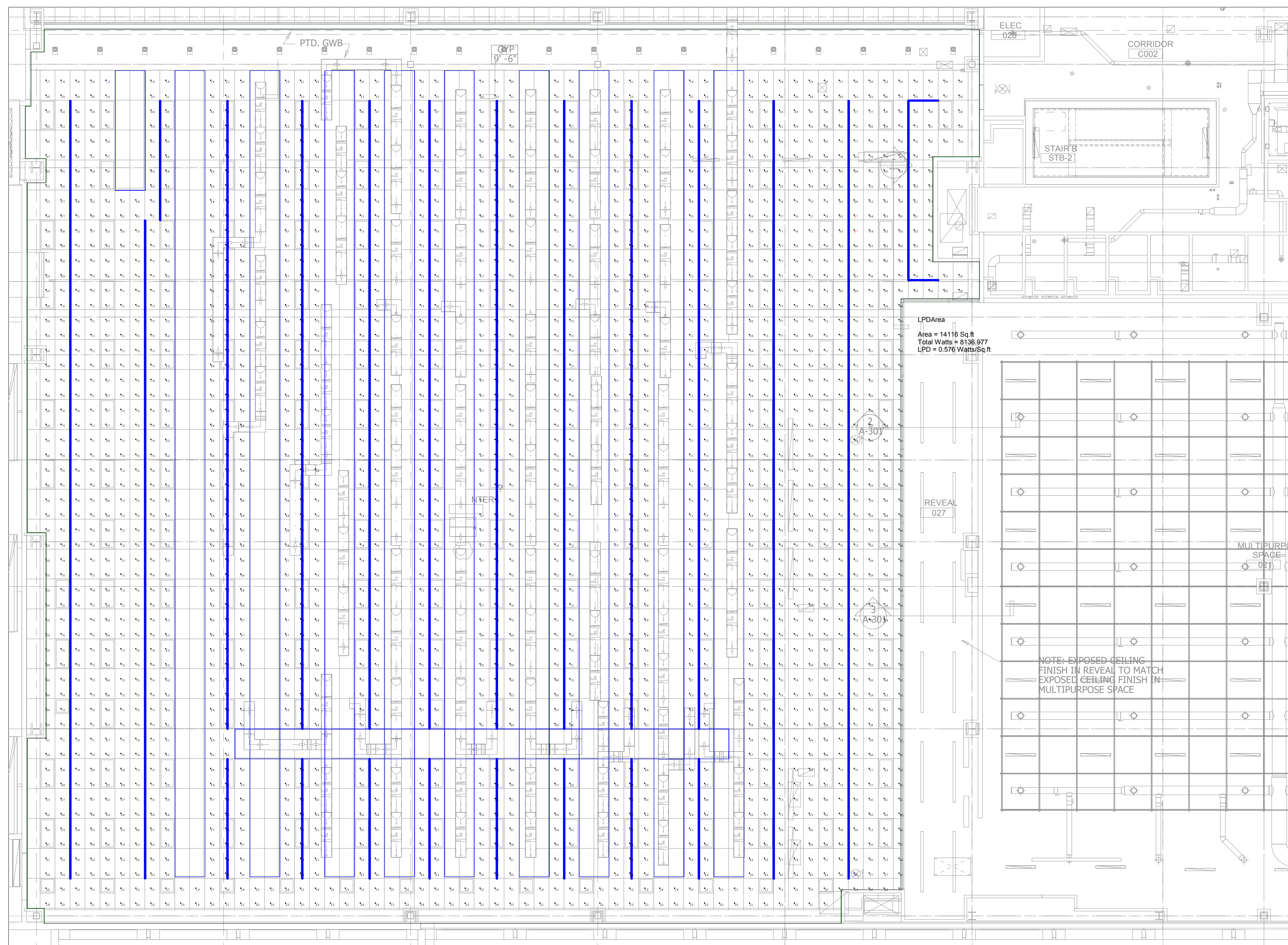
NO	DATE	ISSUE

Drawing:  
Lighting Study

Design By: N.K.

Drawing Number:  
2





Scale: 1 inch= 9 Ft.

**Luminaire Schedule**

Symbol	Qty	Label	LLF	Description	Arr. Watts
	312	V1-D4	0.900	707-Z2-48-Z-SO-359-D4-AL	26.08

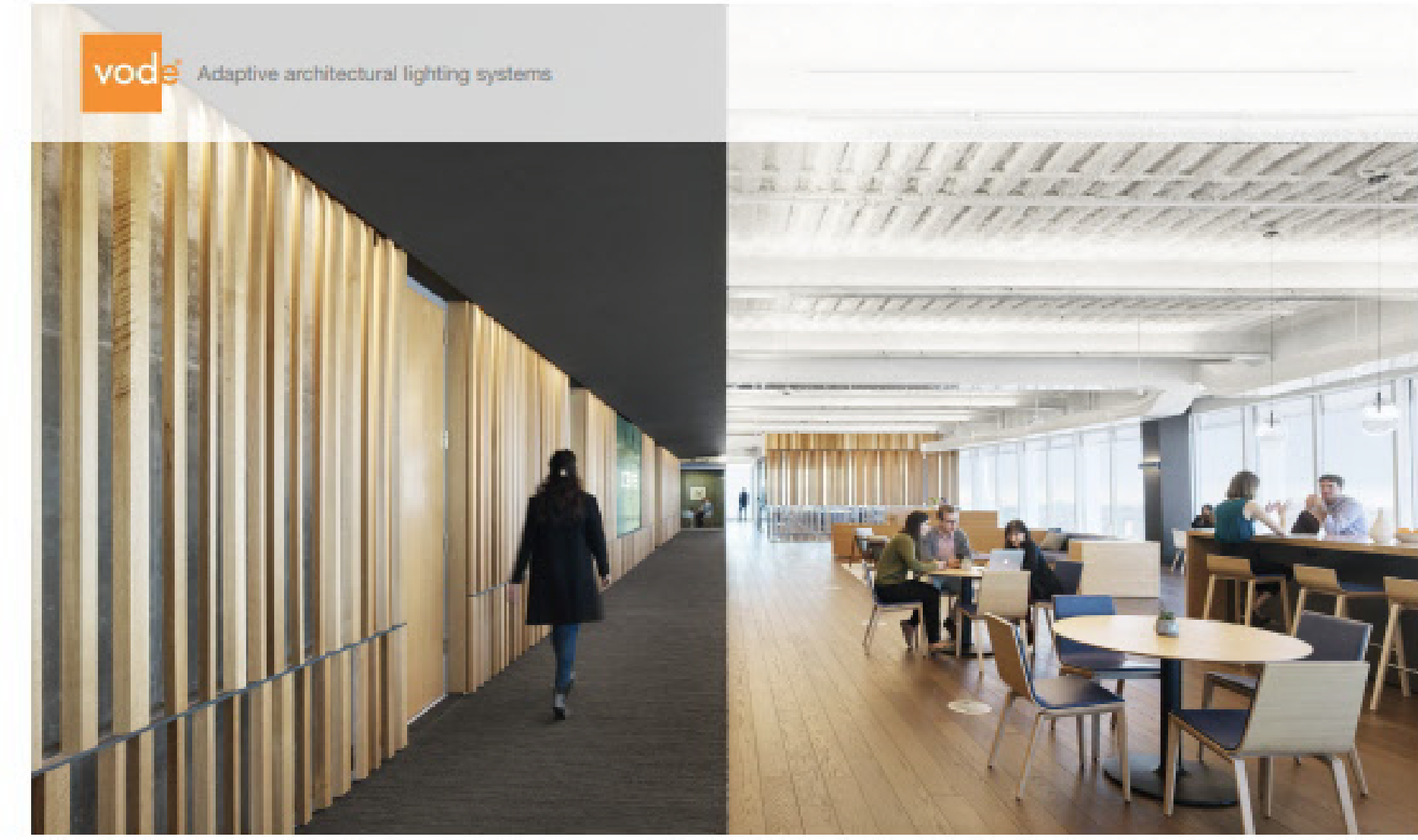
**Calculation Summary**

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
DATA CENTER_Workplane	Illuminance	Fc	62.24	87	13	4.79	6.69

**LPD Area Summary**

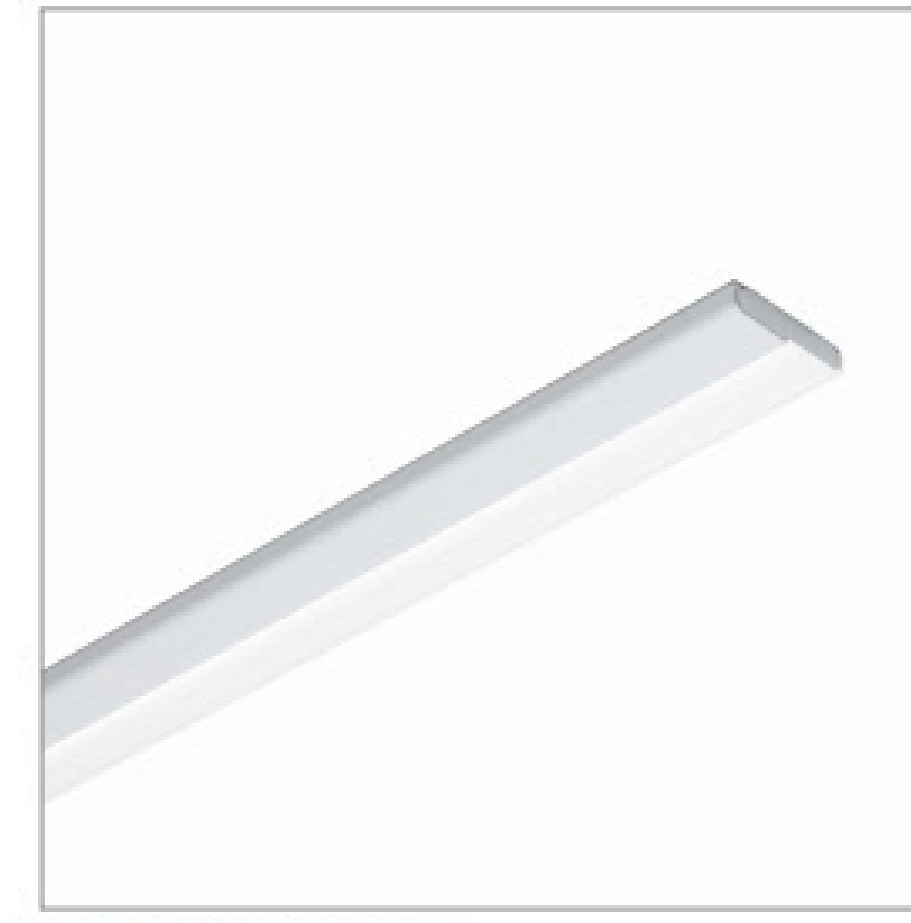
Label	Area	Total Watts	LPD
LPDArea	14116	8136.977	0.576

ZipTwo | Micro 3508 | Diffuse with MicroBaffle (D4)



**Spec Guide**  
ZipTwo® | Micro 3508 | 707

Direct lighting for open office, wall wash and grazing applications.



Micro 3508, 85° Asymmetric, white      Micro 3508, 120° Symmetric, white      Micro 3508, 40° Symmetric, black

**Benefits & Features**  
**Micro Profile, Robust Design**  
 Flat profile: 1.38" (35mm) x 0.31" (8mm).  
**Superior Light Quality & Performance**  
 Output up to 1575 lm/ft (5188 lm/m) (HO), 161 lm/W (HO), 80 or 90 CRI & tunable white (2200K-5000K) available.  
**Versatile Mounting Options, Easy Installation**  
 Magnet with tape-on metal strip or low profile clip allow for mounting to almost any surface or T-Bar ceiling.  
**Better Optics & Beam Control**  
 Options of Diffuse, 120°, 60°, 40° and 85° (asymmetric) lens for general illumination, grazing or wall wash. Excellent glare control with optical film and MicroBaffle™.

ZipTwo® | Micro 3508 | 707 • 1  
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PROJECT:

**Data centers/Dynamax**

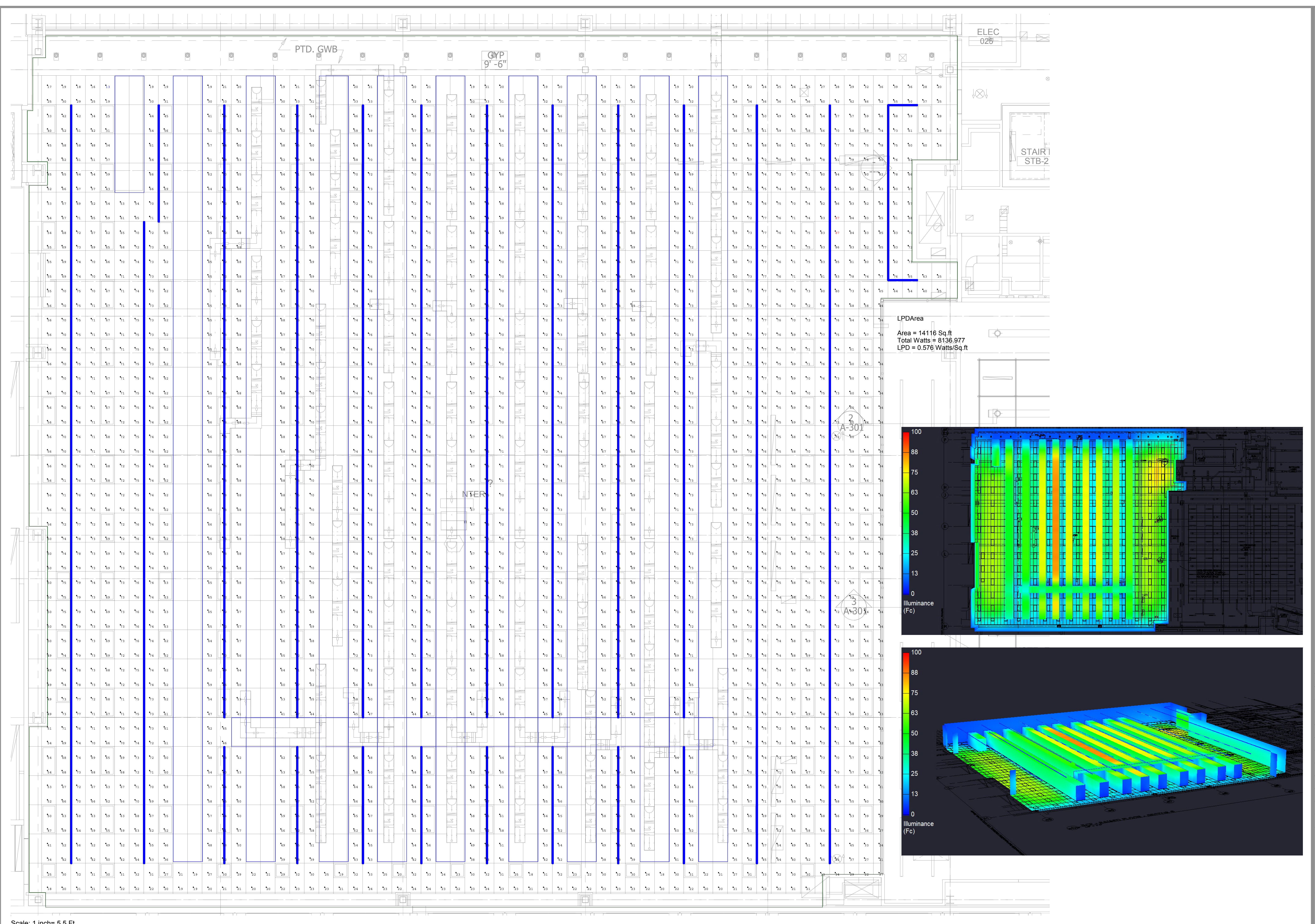
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Drawing:  
Lighting Study

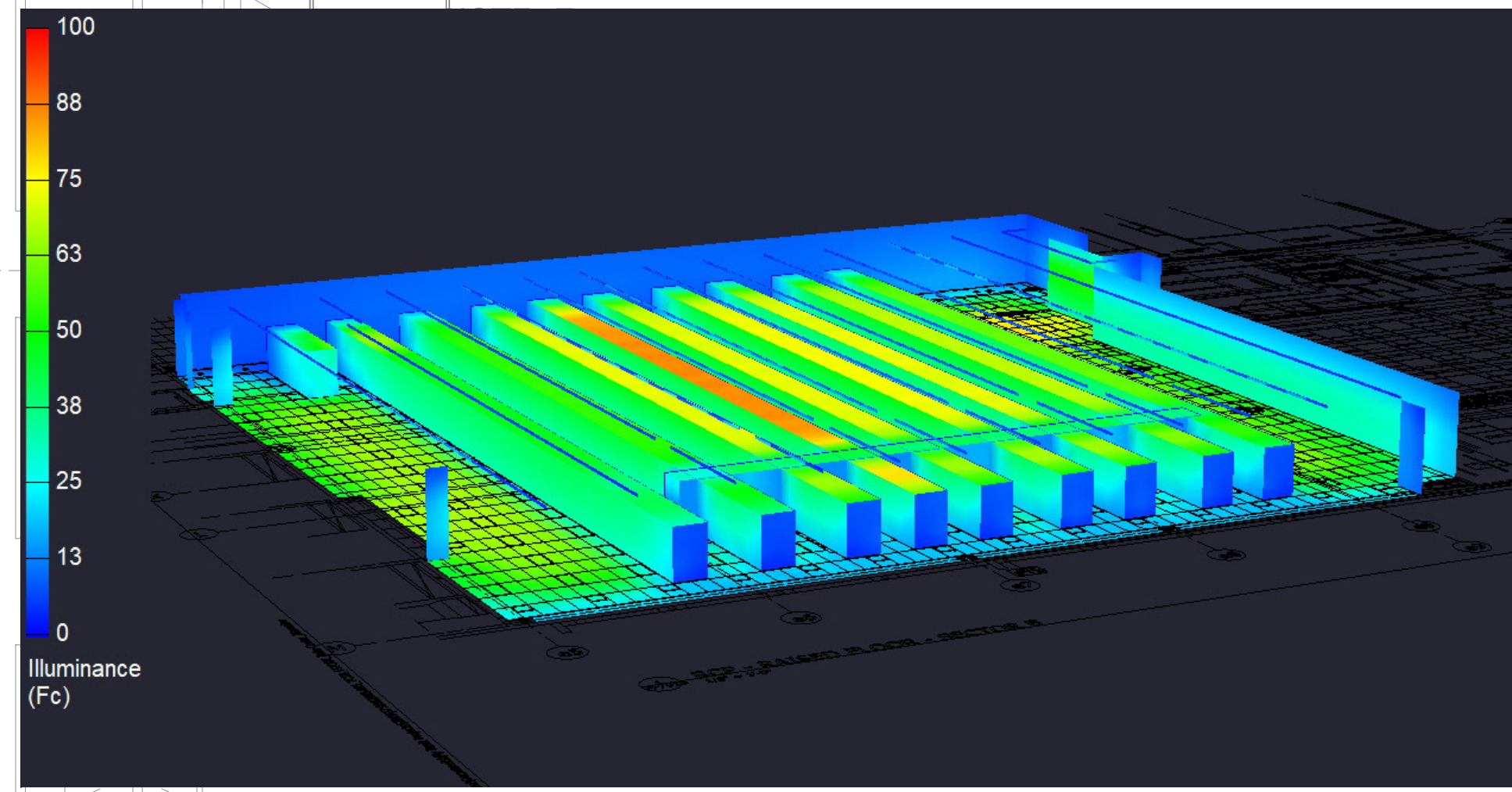
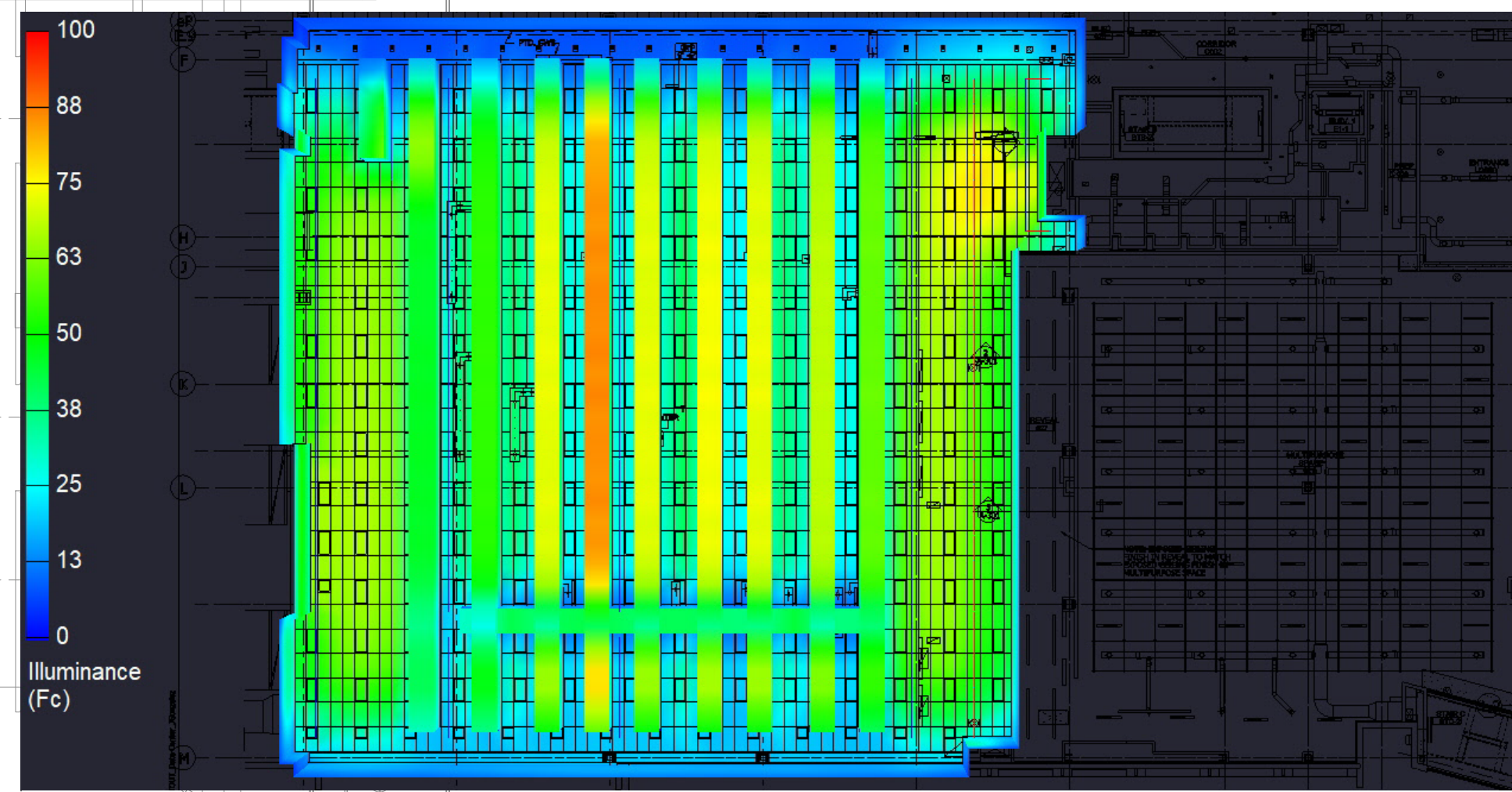
Design By: N.K.

Drawing Number:  
1





LPDArea  
 Area = 14116 Sq.ft  
 Total Watts = 8136.977  
 LPD = 0.576 Watts/Sq.ft



Scale: 1 inch= 5.5 Ft.

# Data centers/DynaMax

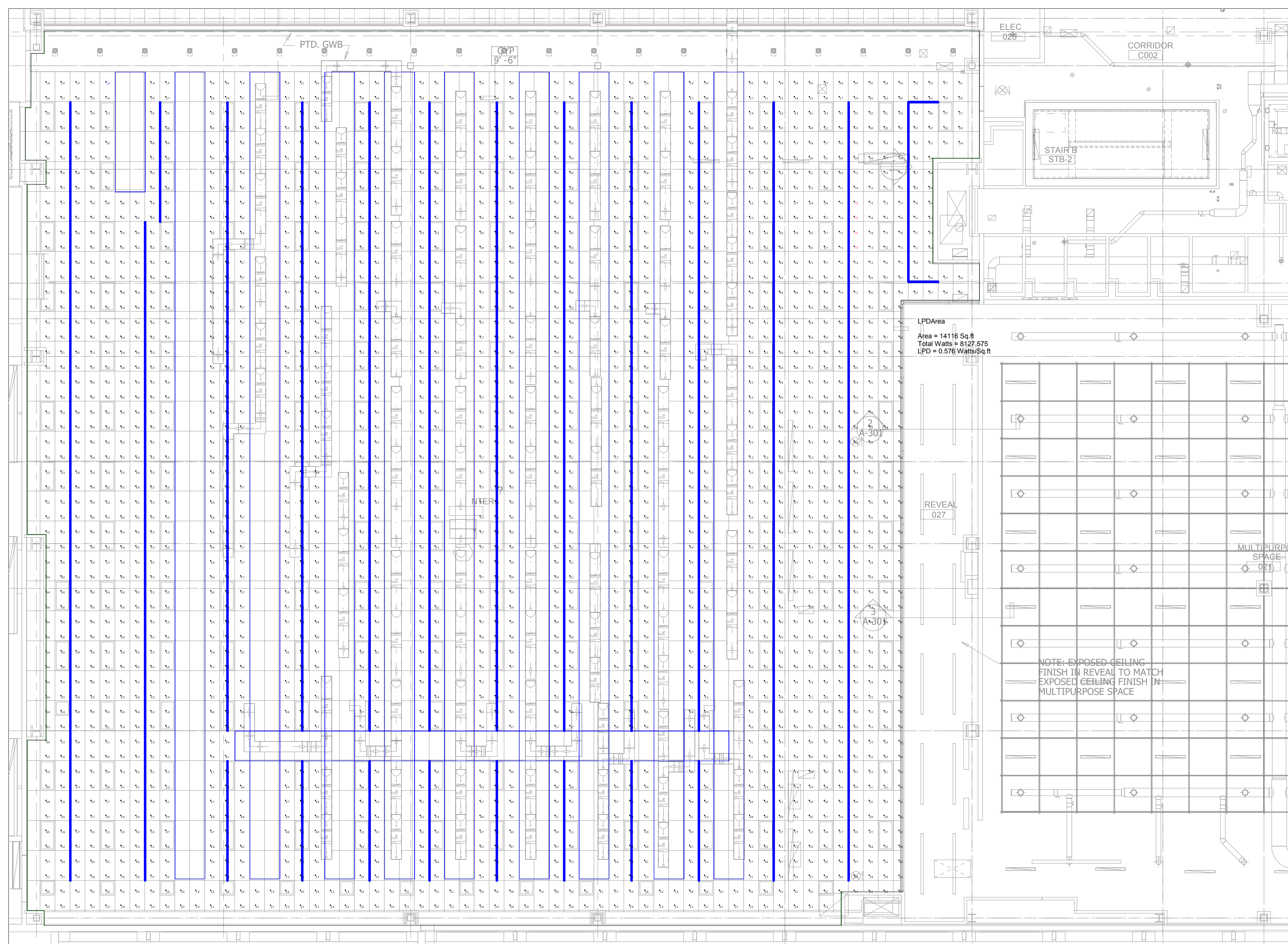
NO	DATE	ISSUE

Drawing:  
Lighting Study

Design By: N.K.

Drawing Number:  
2





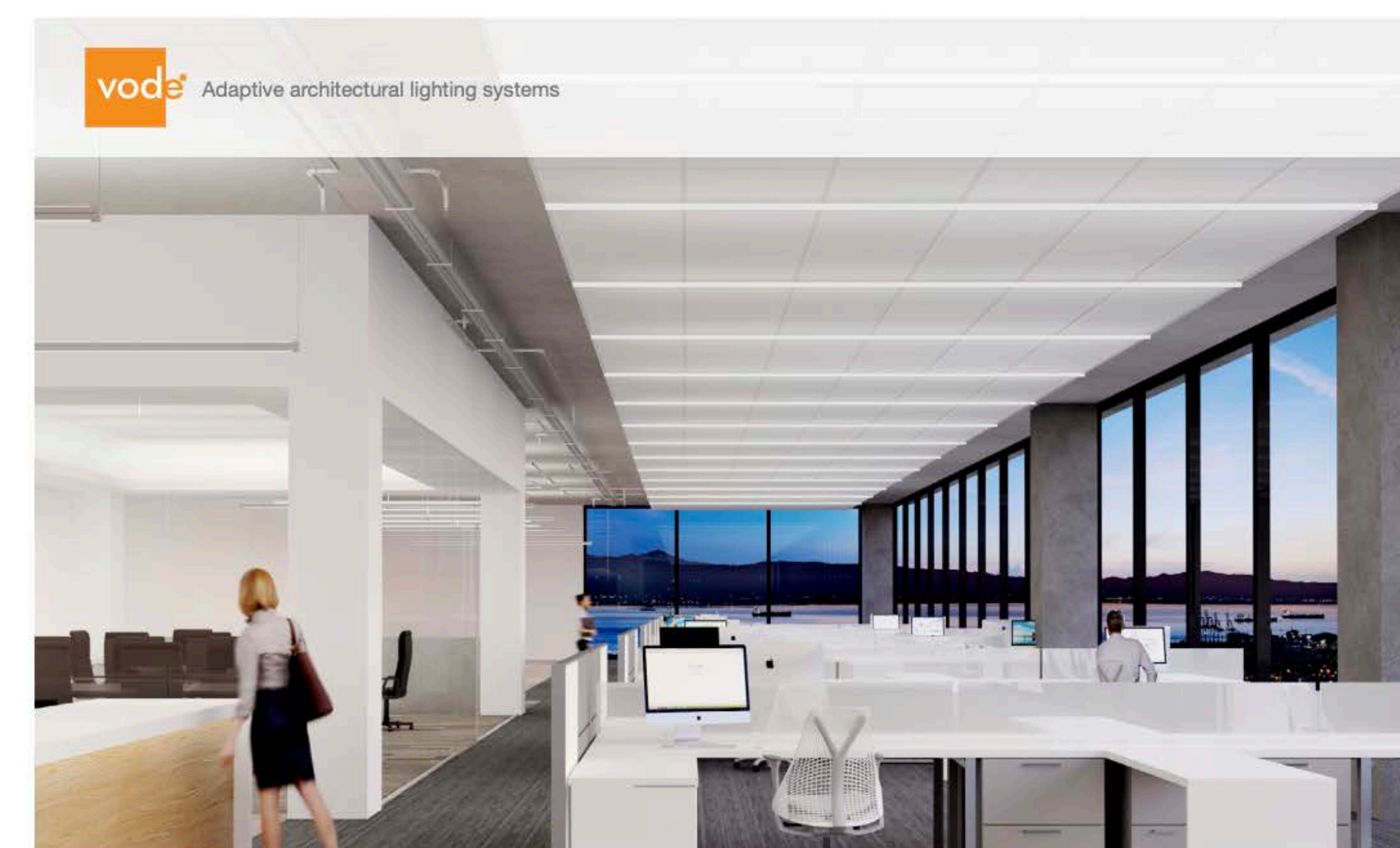
Scale: 1 inch= 9 Ft.

Luminaire Schedule					
Symbol	Qty	Label	LLF	Description	Arr. Watts
	312	V1-S4	0.900	707-Z2-48-Z-SO-359-S4-AL	26.05

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
DATA CENTER_Workplane	Illuminance	Fc	53.53	75	14	3.82	5.36

LPD Area Summary			
Label	Area	Total Watts	LPD
LPDArea	14116	8127.575	0.576

## ZipTwo | Round 3515| Diffuse (S4)



Spec Guide

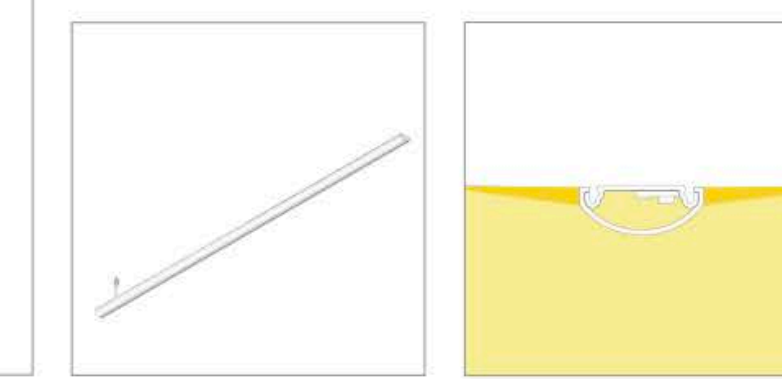
### ZipTwo® | Round 3515 | 707

Direct lighting for open office and ambient applications.



Round 3515, Diffuse, white

- Benefits & Features**
- Low Profile Design**  
Round profile. 1.38" (35mm) x 0.60" (15mm).
  - Superior Light Quality with High Diffusion**  
Output up to 1071 lm/ft (3512 lm/m) (HO), 110 lm/W (SO), 80 or 90 CRI & tunable white (2200K-5000K) available.
  - Versatile Mounting Options, Easy Installation**  
Magnet with tape-on metal strip or low profile clip allow for mounting to almost any surface or T-Bar ceiling.
  - High Diffusion & Uniform Distribution**  
Wide, soft distribution without diode image.



Single Rail

Light Distribution

ZipTwo® | Round 3515 | 707 • 1

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Date: 12/22/2020

PROJECT:

**Data centers/Dynamax**

NO DATE ISSUE

Drawing:

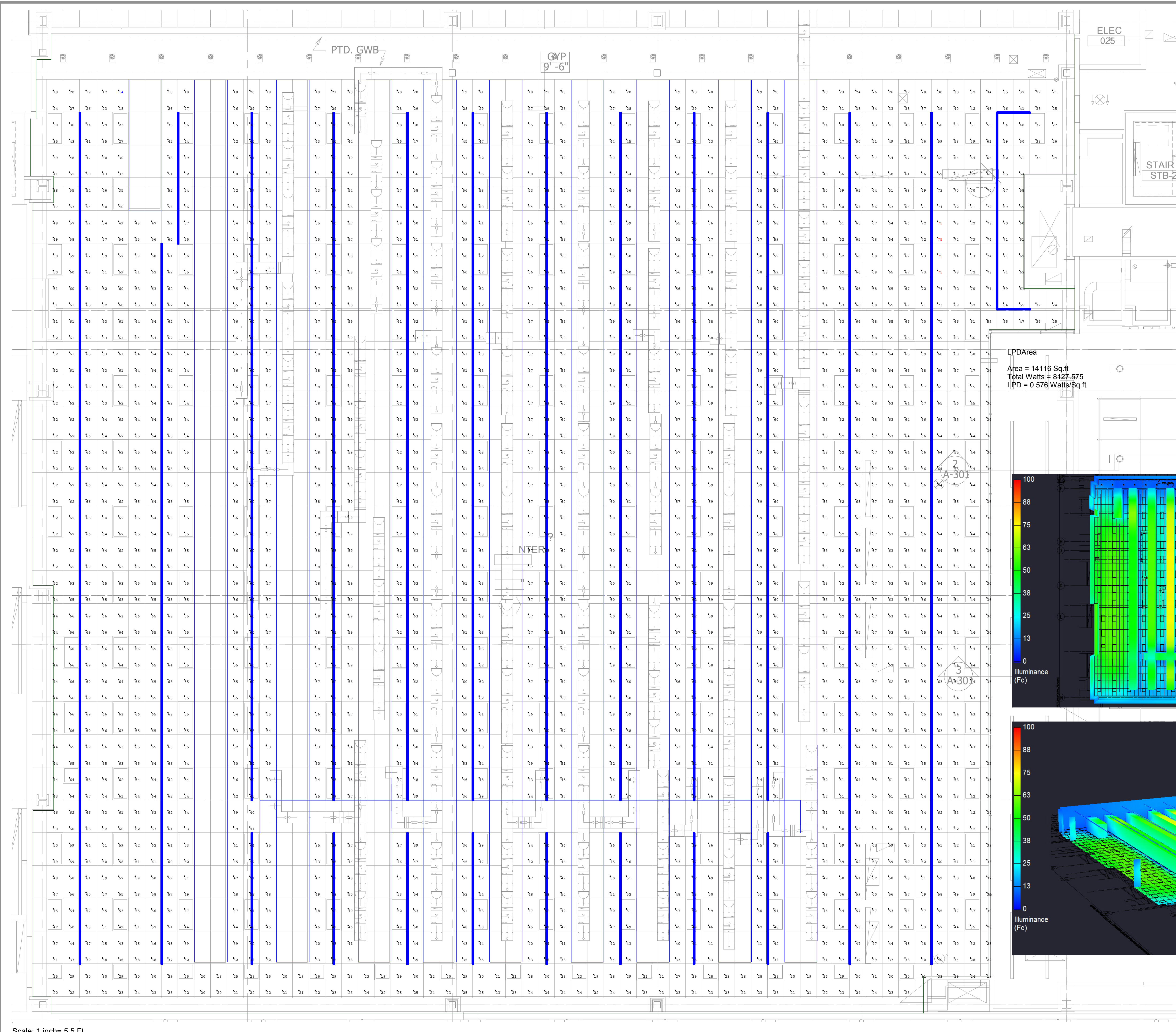
Lighting Study

Design By: N.K.

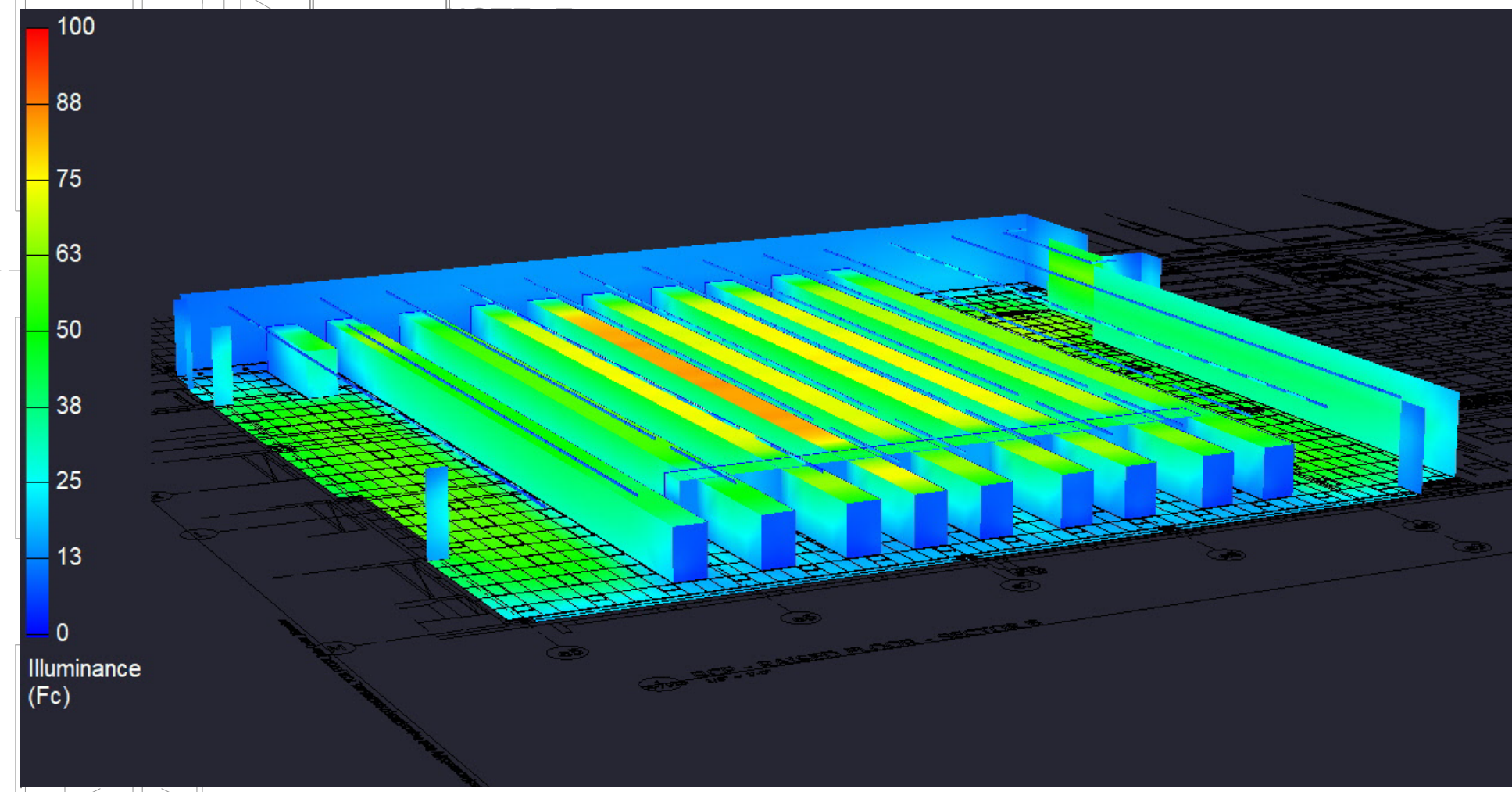
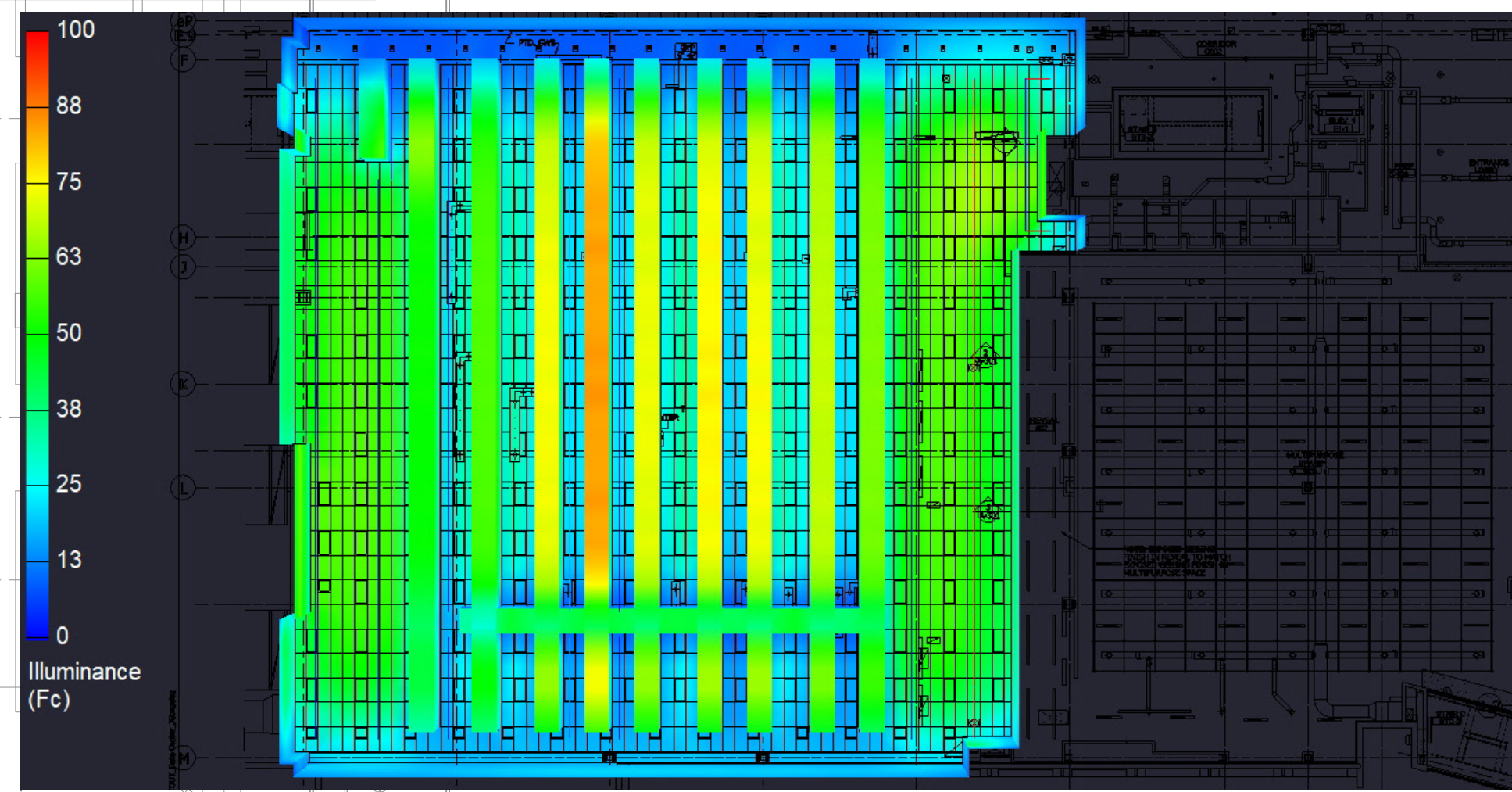
Drawing Number:

1





LPDArea  
 Area = 14116 Sq.ft  
 Total Watts = 8127.575  
 LPD = 0.576 Watts/Sq.ft



Scale: 1 inch= 5.5 Ft.

# Data centers/DynaMax

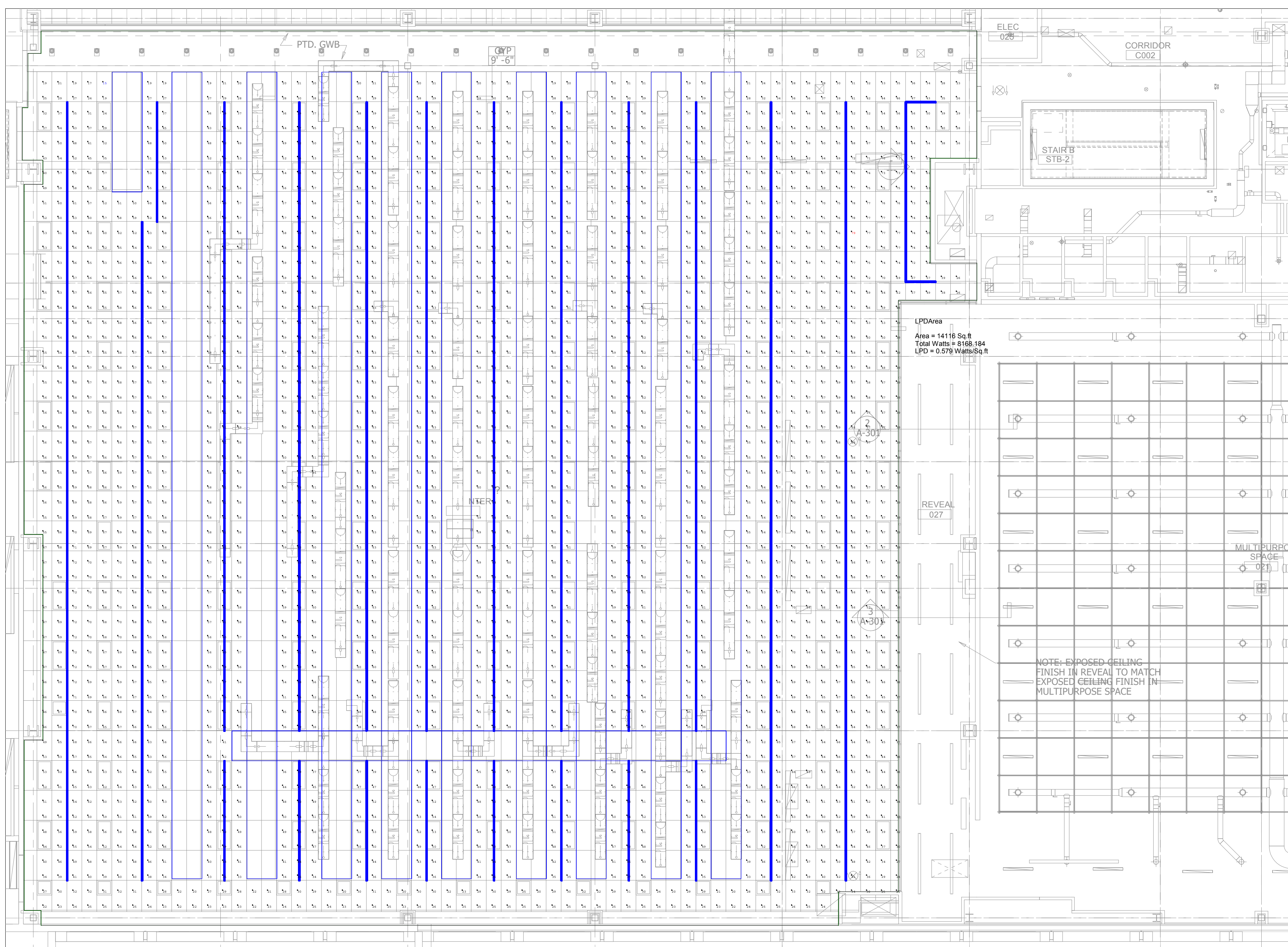
NO	DATE	ISSUE

Drawing:  
Lighting Study


Design By: N.K.

Drawing Number:  
2





Scale: 1 inch= 9 Ft.

Luminaire Schedule					Arr. Watts
Symbol	Qty	Label	LLF	Description	
	312	V1-F6	0.900	707-Z2-48-Z-SO-359-F6-WH	26.18

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
DATA CENTER_Workplane	Illuminance	Fc	55.39	79	15	3.69	5.27

LPD Area Summary			
Label	Area	Total Watts	LPD
LPDArea	14116	8168.184	0.579

ZipTwo | Square 3520 | Diffuse (F6)



**Spec Guide**  
**ZipTwo® | Square 3520 | 707**  
 Direct lighting for open office and ambient applications.

**Benefits & Features**

- Minimal Profile, Robust Design**  
Square profile, 1.38" (35mm) x 0.75" (19mm).
- Superior Light Quality & Performance**  
Output up to 1404 lm/ft (4,605 lm/m) (HO), 144 lm/W (SO), 80 or 90 CRI & tunable white (2200K-5000K) available.
- Versatile Mounting, Easy Installation**  
Magnet with tape-on metal strip or low profile clip allow for mounting to almost any surface or T-Bar ceiling.
- Extensive Optics**  
Options of Diffuse, Critical Edge, and Side Diffuse give designers the power to create and design their space using one product.



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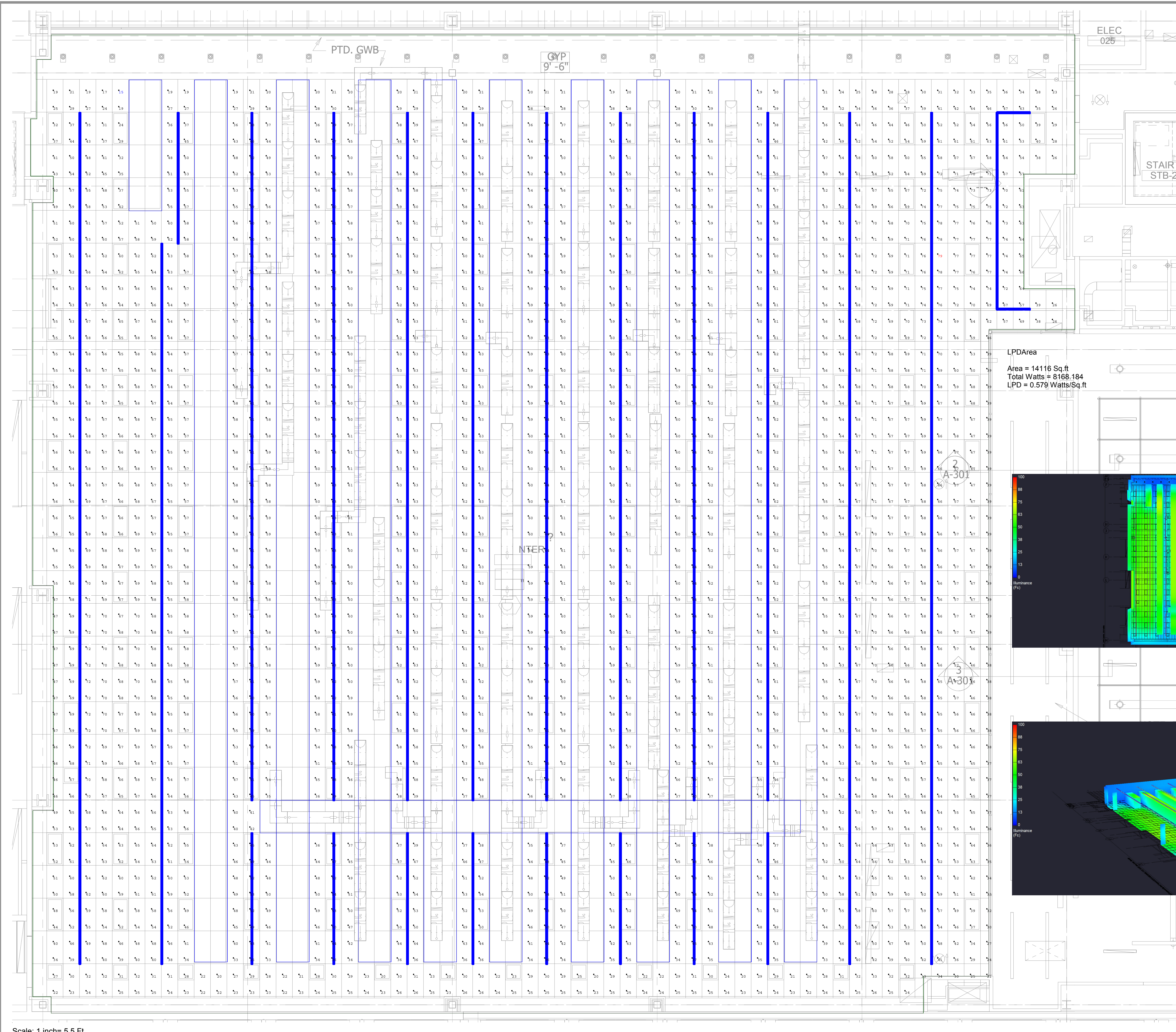
NO	DATE	ISSUE

Drawing:  
Lighting Study

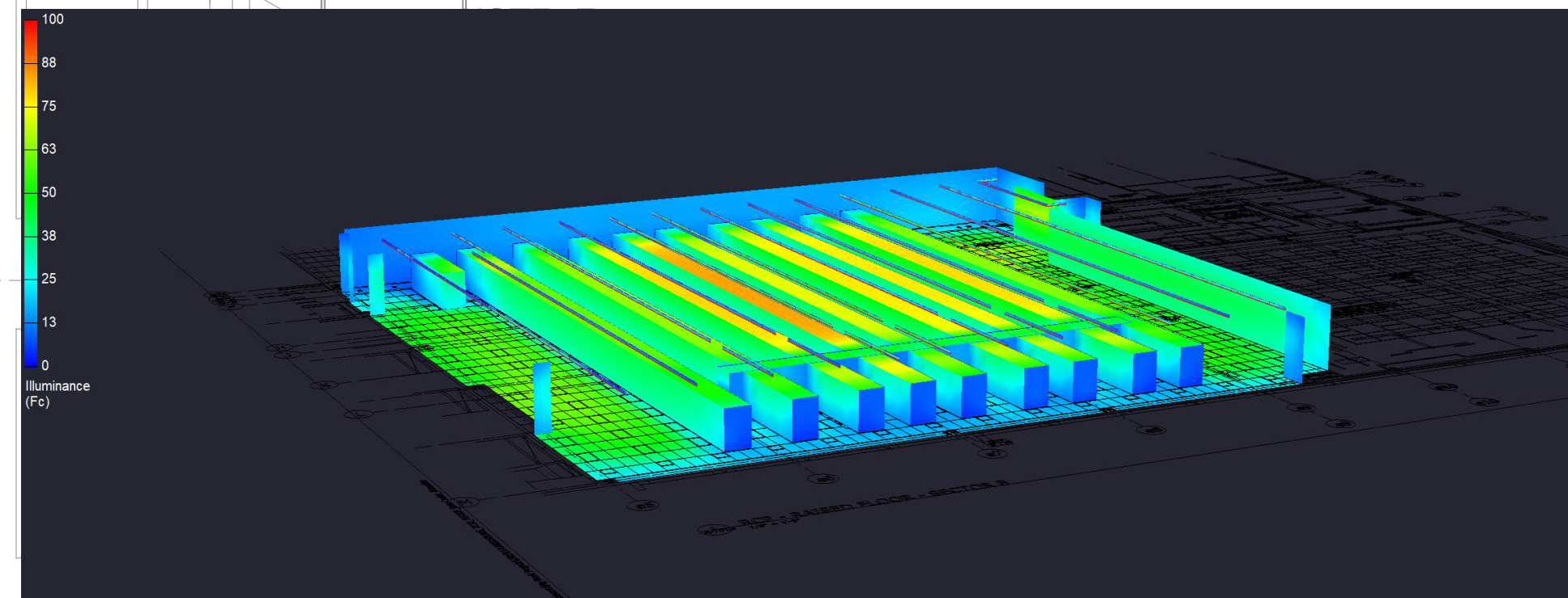
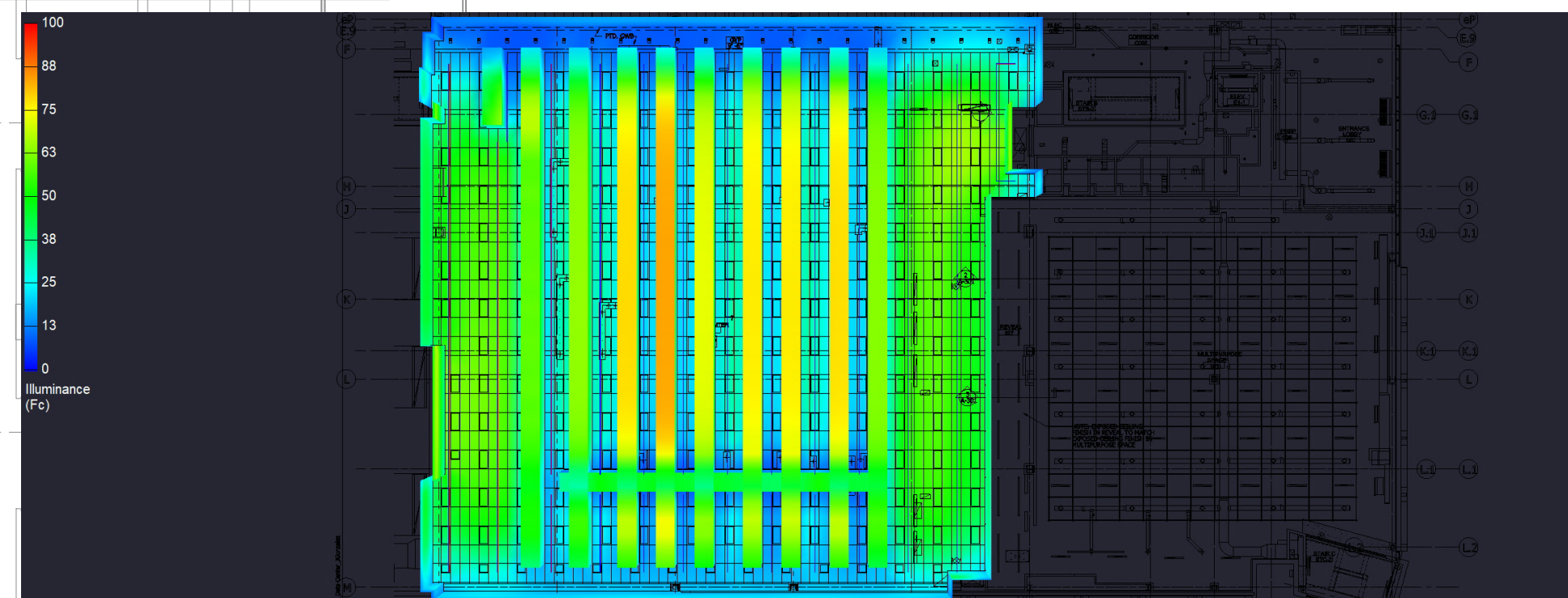
Design By: N.K.

Drawing Number:  
1





LPDArea  
 Area = 14116 Sq.ft  
 Total Watts = 8168.184  
 LPD = 0.579 Watts/Sq.ft



Scale: 1 inch= 5.5 Ft.

# Data centers/DynaMax

NO	DATE	ISSUE

Drawing:  
Lighting Study

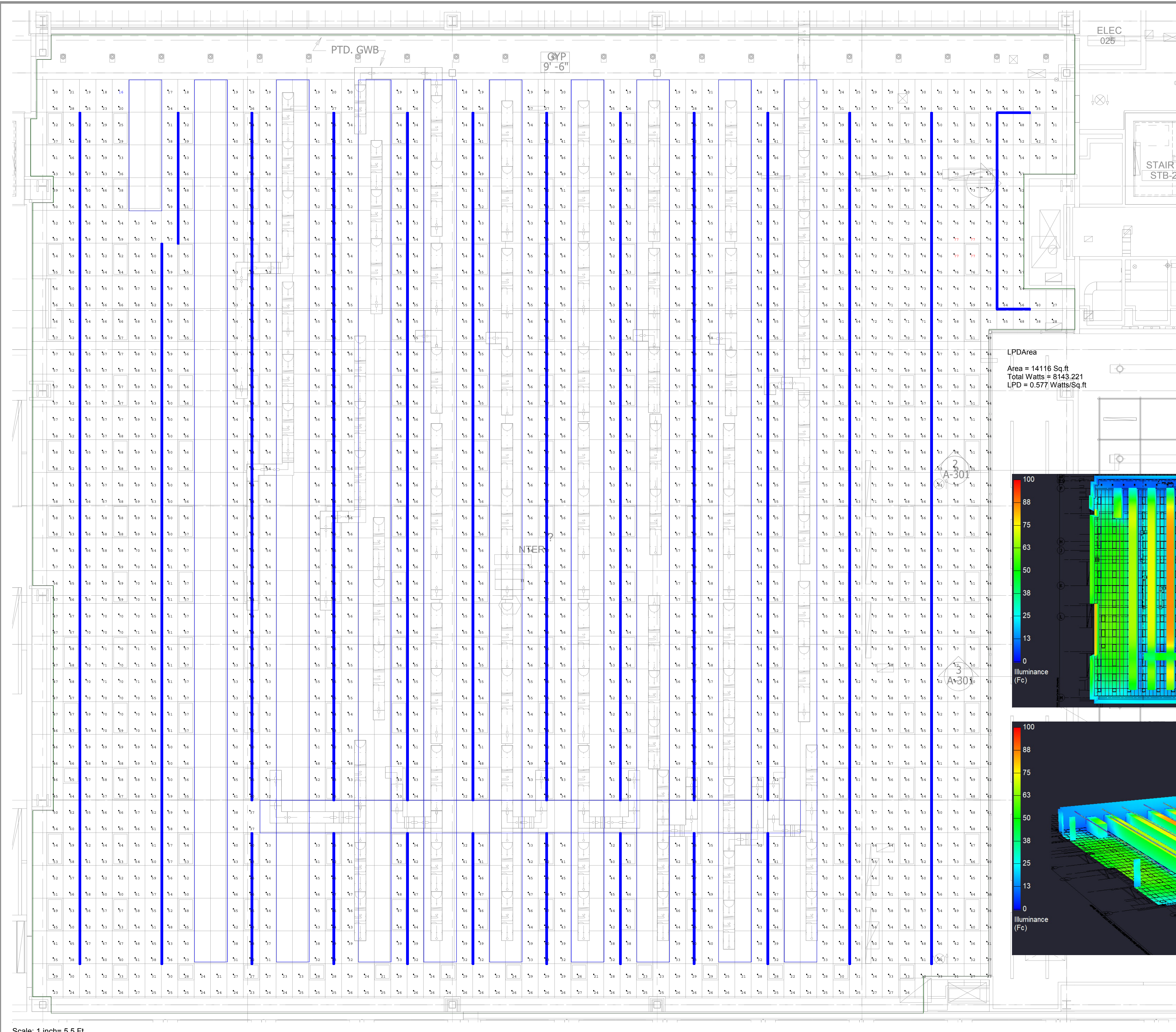
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Drawing Number:  
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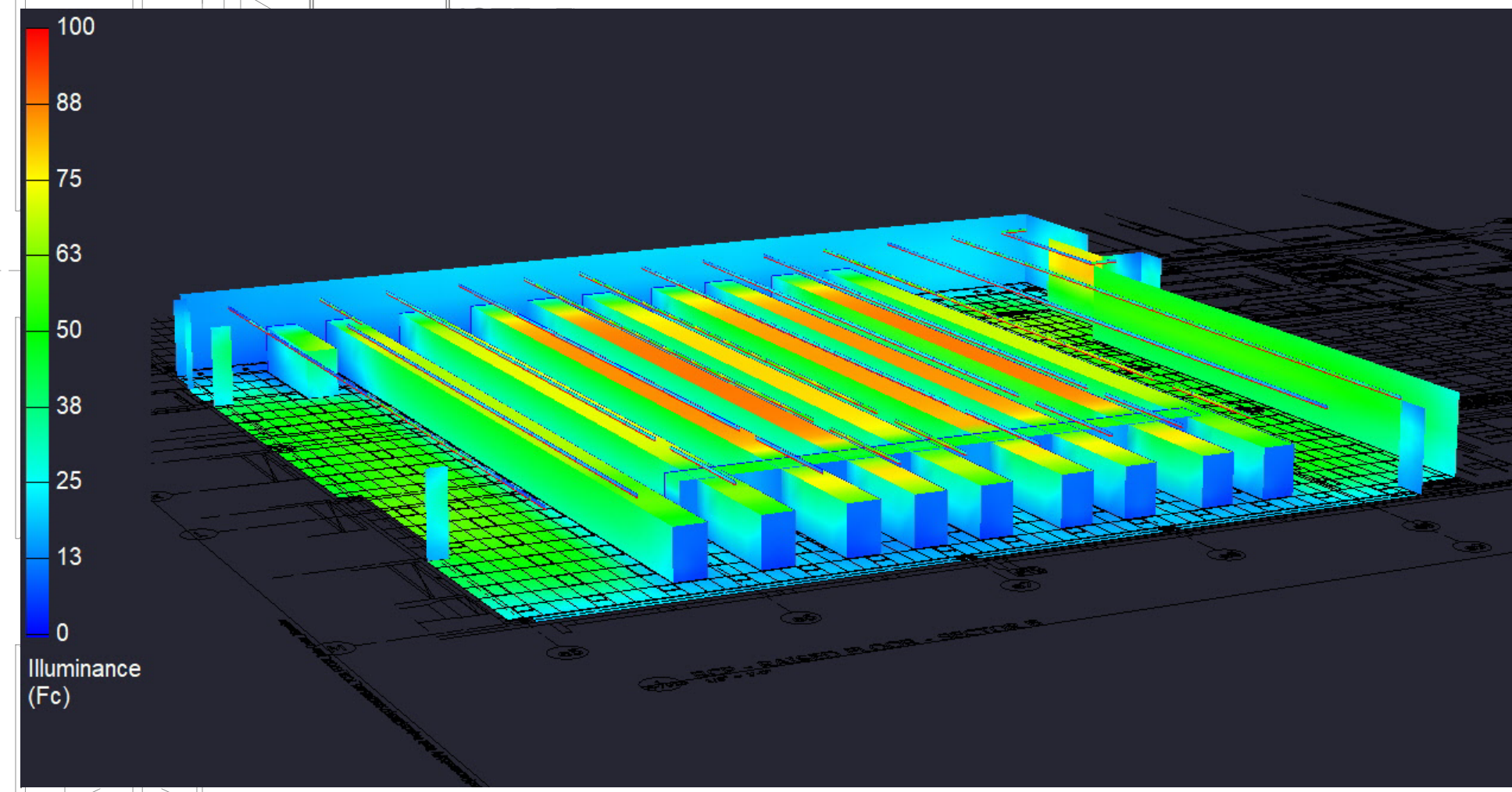
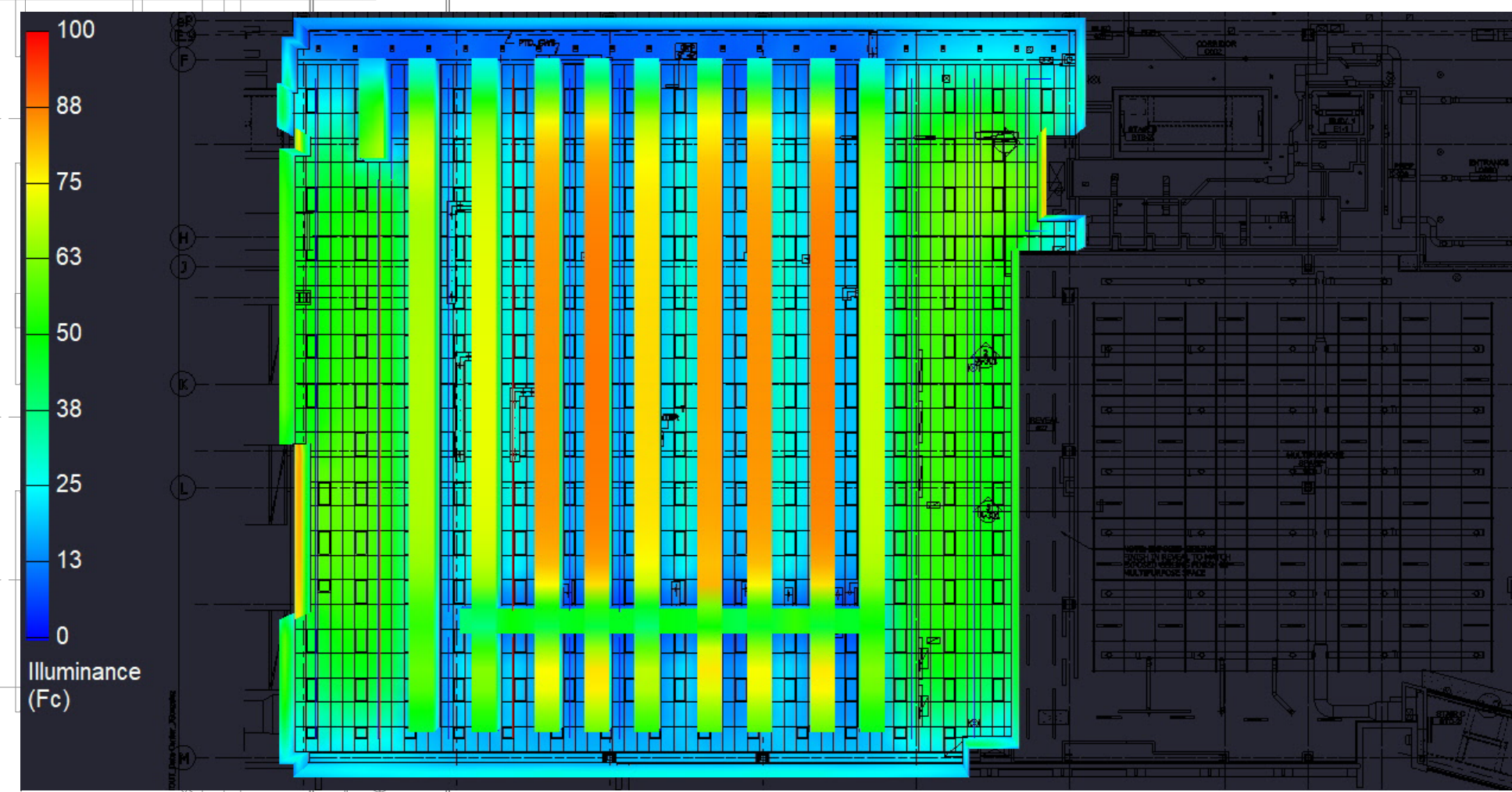








LPDArea  
 Area = 14116 Sq.ft  
 Total Watts = 8143.221  
 LPD = 0.577 Watts/Sq.ft



Scale: 1 inch= 5.5 Ft.

# Data centers/DynaMax

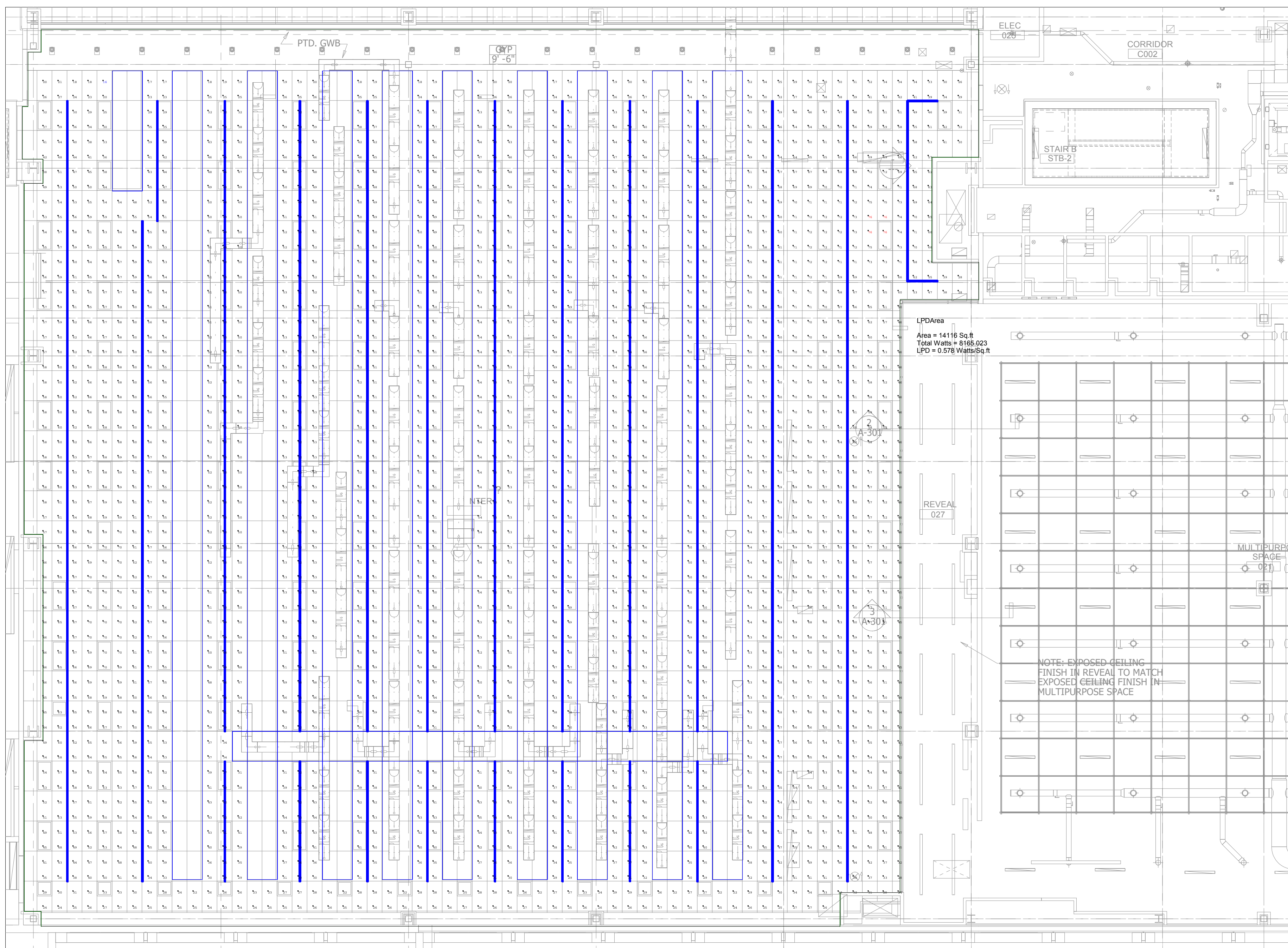
NO	DATE	ISSUE

Drawing:  
Lighting Study

Design By: N.K.

Drawing Number:  
2





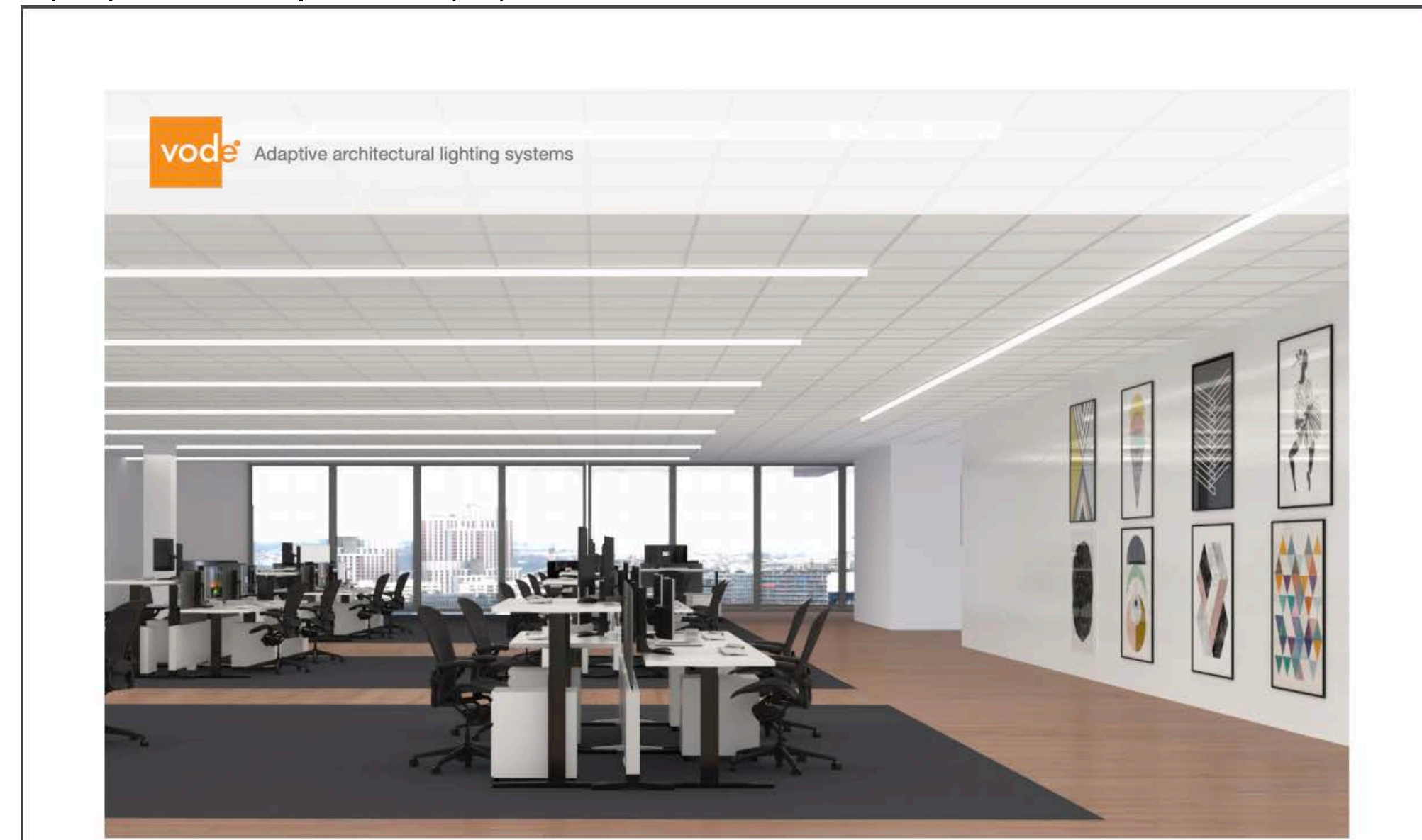
Scale: 1 inch= 9 Ft.

Luminaire Schedule					Arr. Watts
Symbol	Qty	Label	LLF	Description	
	312	V1-J6	0.900	707-Z2-48-Z-SO-359-J6-WH	26.17

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
DATA CENTER_Workplane	Illuminance	Fc	50.53	76	16	3.16	4.75

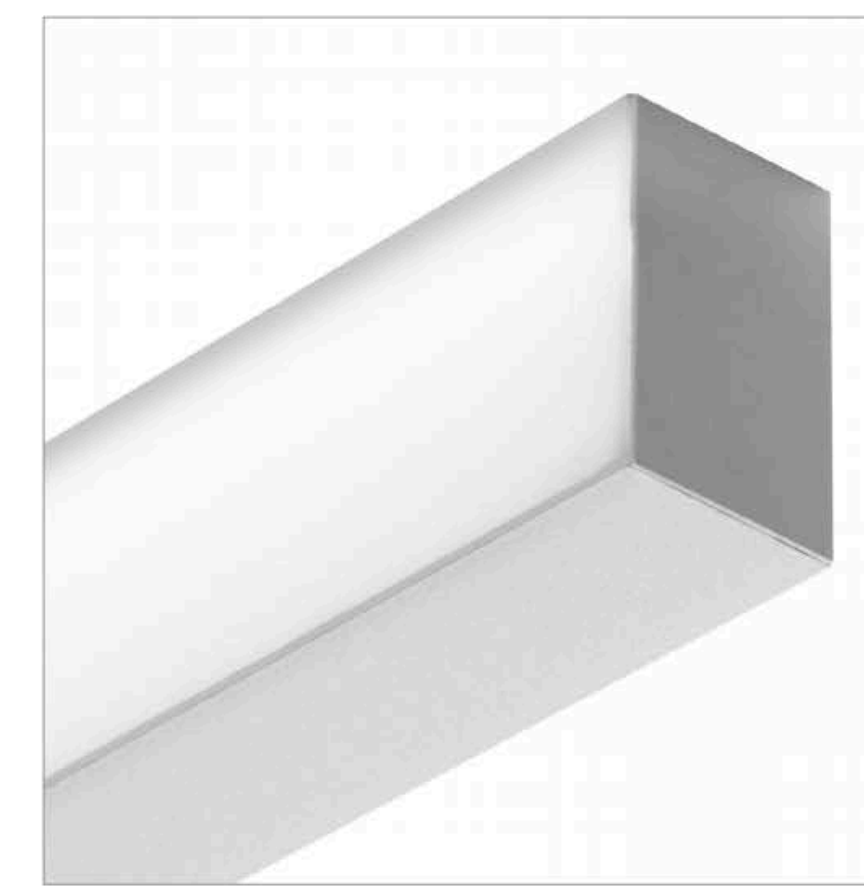
LPD Area Summary			
Label	Area	Total Watts	LPD
LPDArea	14116	8165.023	0.578

ZipTwo | Square 3555 | Diffuse (J6)

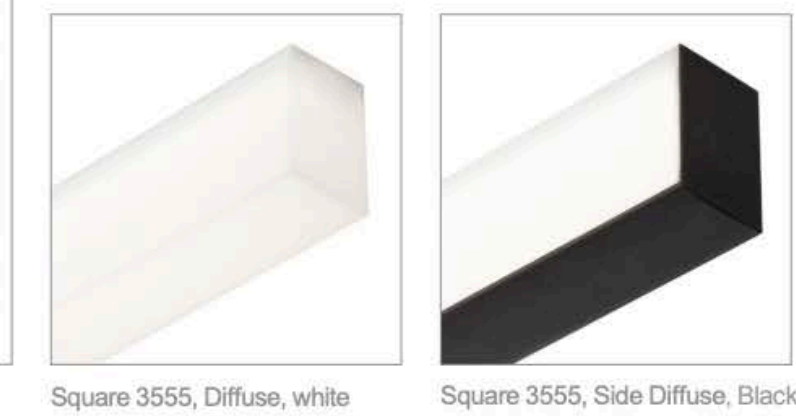


Spec Guide  
ZipTwo® | Square 3555 | 707

Direct lighting for open office and ambient applications.



- Benefits & Features**
- Minimal Profile, Robust Design**  
Square profile, 1.38" (35mm) x 2.13" (54mm).
  - Superior Light Quality & Performance**  
Output up to 1517 lm/ft (4976 lm/m) (HO), 155 lm/W (SO), 80 or 90 CRI & tunable white (2200K-5000K) available.
  - Versatile Mounting, Easy Installation**  
Magnet with tape-on metal strip or low profile clip allow for mounting to almost any surface or T-Bar ceiling.
  - Extensive Optics**  
Options of Diffuse, Critical Edge, and Side Diffuse give designers the power to create and design their space using one product.



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Data centers/Dynamax

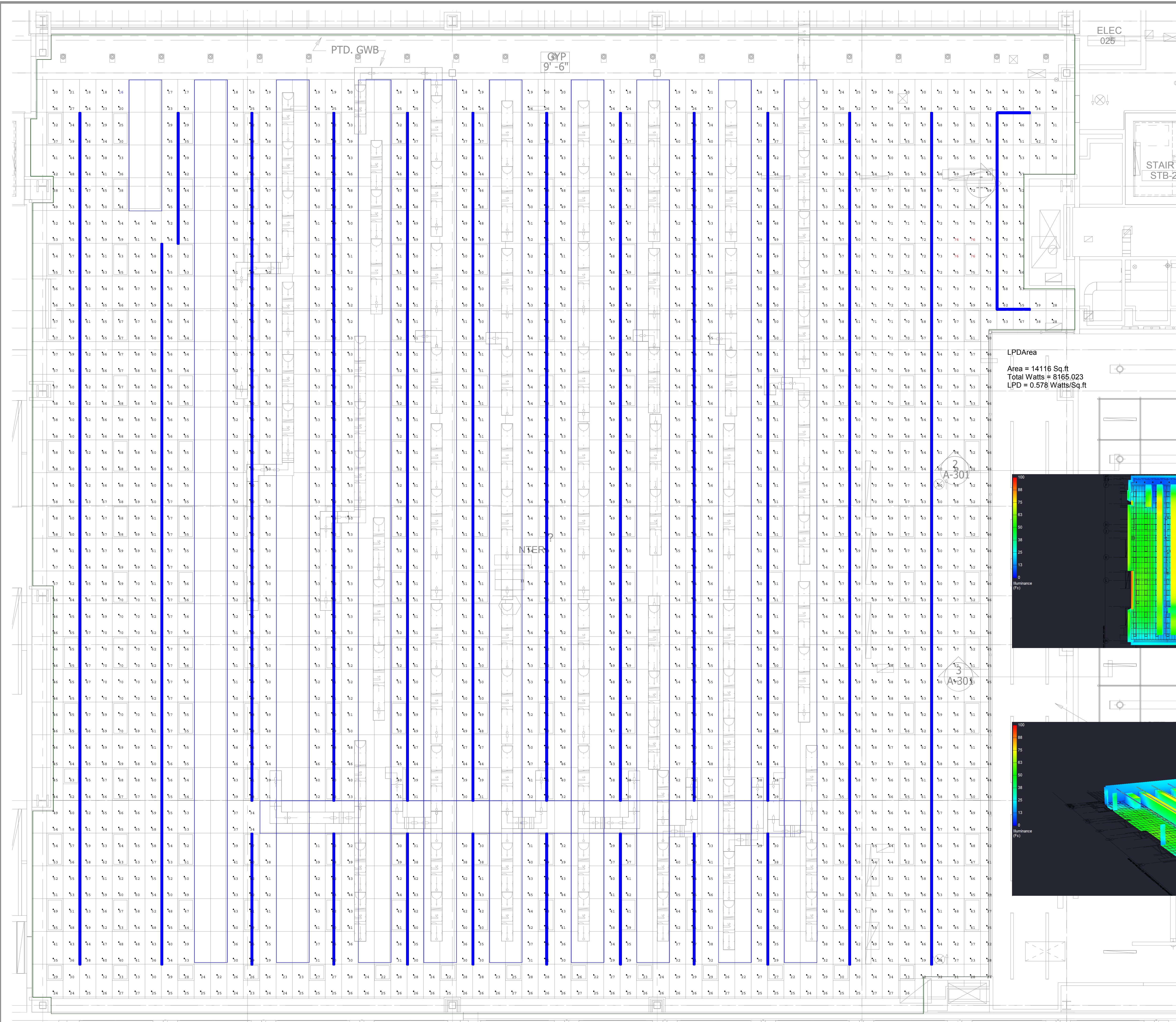
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Drawing:  
Lighting Study

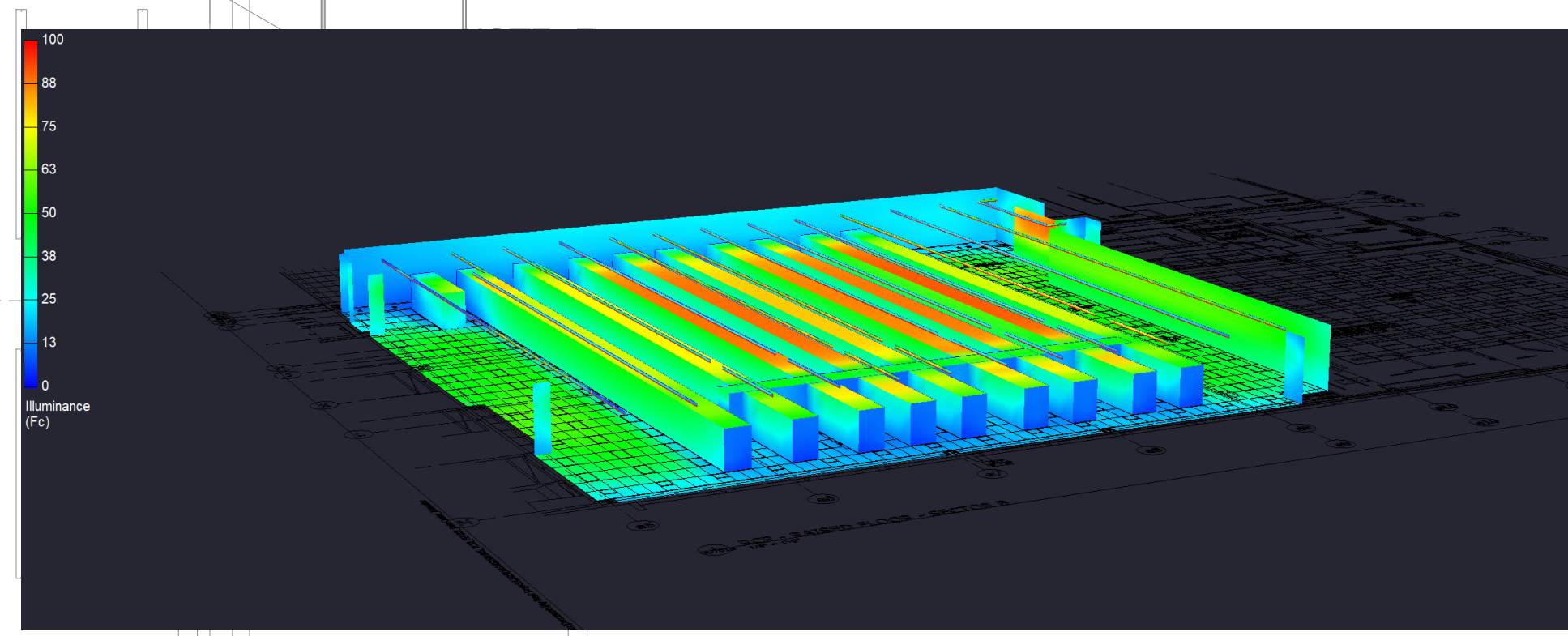
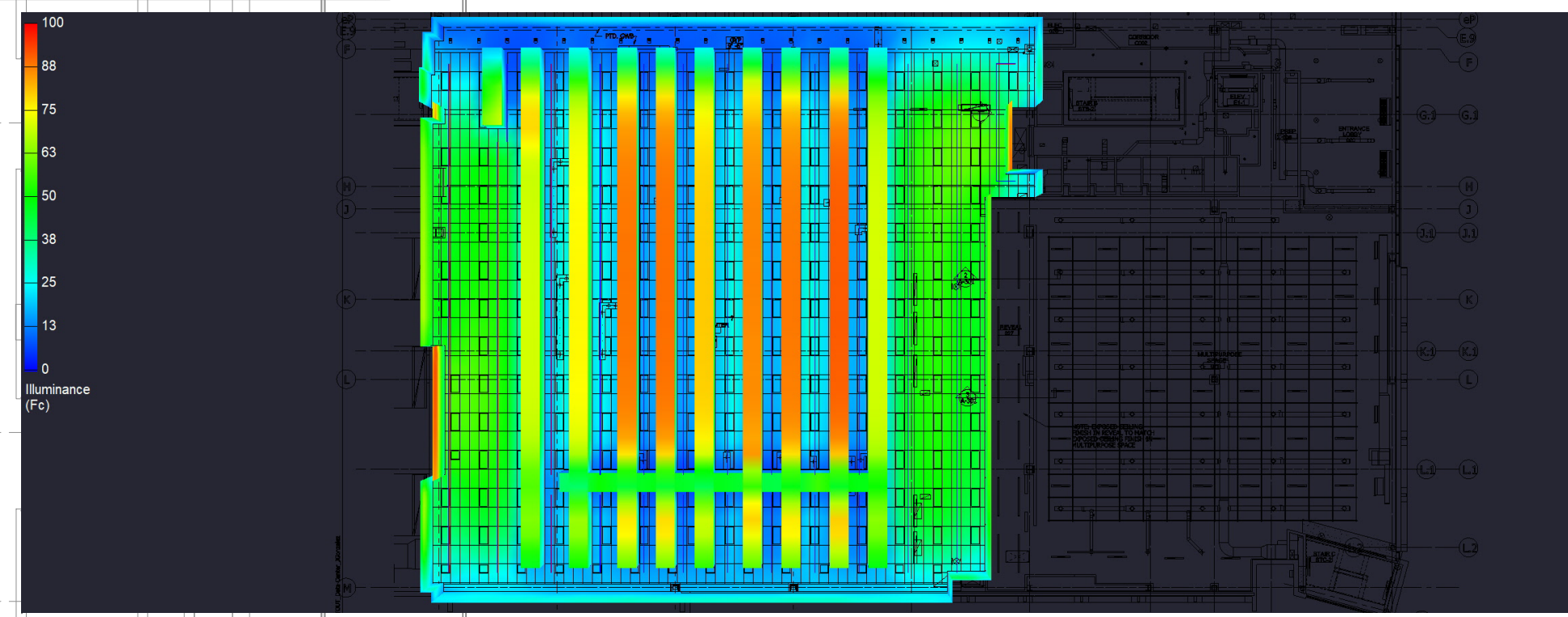
Design By: N.K.

Drawing Number:  
1





LPDArea  
 Area = 14116 Sq.ft  
 Total Watts = 8165.023  
 LPD = 0.578 Watts/Sq.ft



Scale: 1 inch= 5.5 Ft.

Date: 12/22/2020

PROJECT:

# Data centers/DynaMax

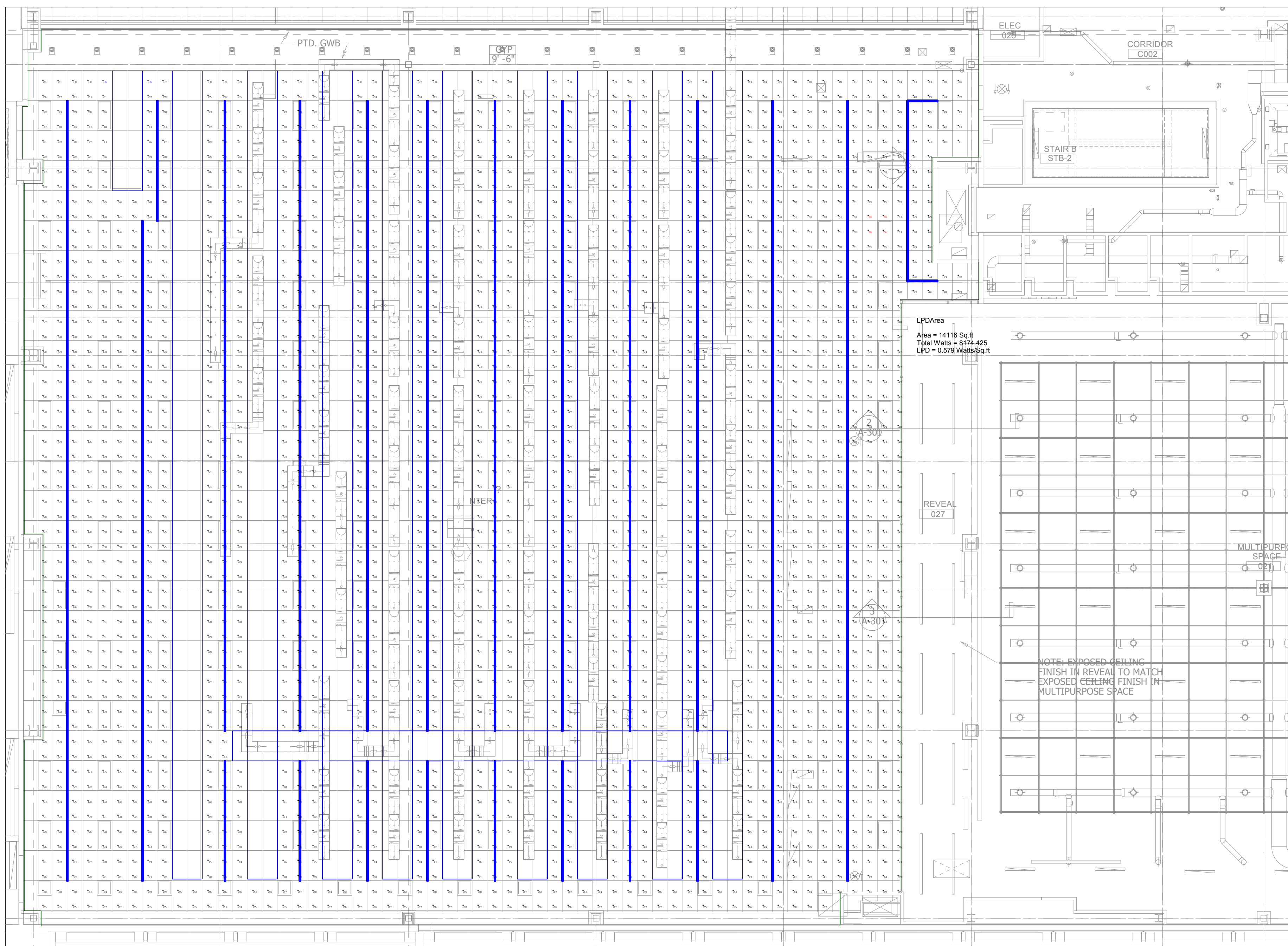
NO	DATE	ISSUE

Drawing:  
Lighting Study

Design By: N.K.

Drawing Number:  
2





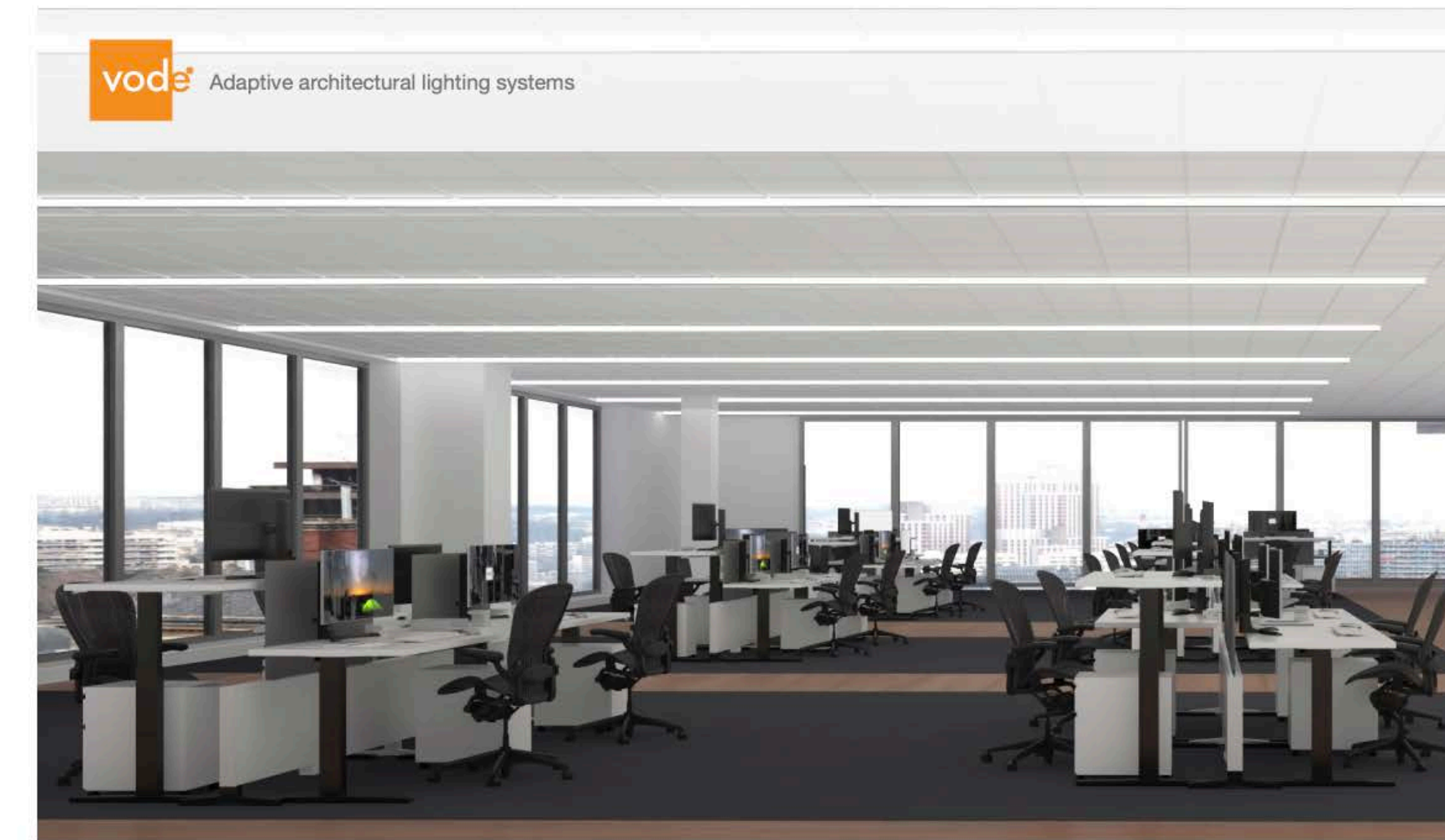
Scale: 1 inch= 9 Ft.

Luminaire Schedule					Arr. Watts
Symbol	Qty	Label	LLF	Description	
	312	V1-H6	0.900	707-Z2-48-Z-SO-359-H6-WH	26.2

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
DATA CENTER_Workplane	Illuminance	Fc	49.44	76	16	3.09	4.75

LPD Area Summary			
Label	Area	Total Watts	LPD
LPDArea	14116	8174.425	0.579

ZipTwo | Square 3570 | Diffuse (H6)



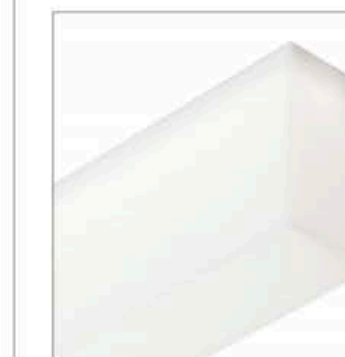
Spec Guide  
ZipTwo® | Square 3570 | 707

Direct lighting for open office and ambient applications.

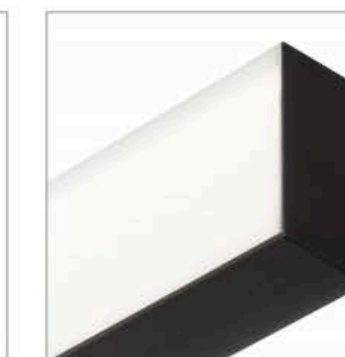


Square 3570, Side Diffuse, white

**Benefits & Features**  
**Minimal Profile, Robust Design**  
 Square profile: 1.38" (35mm) x 2.63" (72mm).  
**Superior Light Quality & Performance**  
 Output up to 1540 lm/ft (4318 lm/m) (HO), 158 lm/W (SO), 80 or 90 CRI & tunable white (2200K-5000K) available.  
**Versatile Mounting, Easy Installation**  
 Magnet with tabs-on metal strip or low profile clip allow for mounting to almost any surface or T-Bar ceiling.  
**Extensive Optics**  
 Options of Diffuse: Critical Edge (TM), and Side Diffuse give designers the power to create and design their space using one product.



Square 3570, Diffuse, white



Square 3570, Single Side Diffuse, Black

ZipTwo® | Square 3570 | 707 • 1  
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Note on this Design:

This report makes no representations in regard to Lighting Design or Specification, rather it attempts to accurately reflect the photometric results of a design, as approved by others.

Note on these Photometric Calculations:

This analysis is a mathematical model and can be only as accurate as is permitted by the third-party software and the IES standards used. All digital CAD data appear to be accurate, however, this apparent accuracy is an artifact of the techniques used to generate it and is in no way intended to imply accuracy in the real world.

There are many factors that will impact the actual performance of Lighting in the constructed space, including: the accuracy of the original source (.ies) files supplied by the manufacturer, input voltage ballast variances, actual finish values in the constructed environment, manufacturing variations in both the source (lamp) and the luminaire, final luminaire placement, obstructions, and installation quality. Further, field measurement itself is subject to errors arising from measuring methods and/or technology selected, and the knowledge/ability of the measuring party. While the creator of this lighting study makes every effort to ensure accuracy, they cannot be held liable for any errors. The recipient of this lighting study understands and accepts that the likelihood of scaling error increases when no .DWG file or other properly-dimensioned drawing is provided to the designer.

NB: Reflective Values have a significant effect on light levels, the end-user of the document should confirm these values before accepting the results of any photometric report. The managing contractor/architect/engineer is responsible for ensuring compli

Date: 12/22/2020

PROJECT:

Data centers/Dynamax

NO DATE ISSUE

Drawing:  
Lighting Study

Design By: N.K.

Drawing Number:  
1



