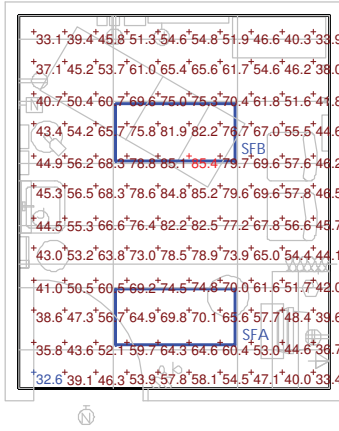


STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
EXAM ROOM - FLUORESCENT	+	58.2 fc	85.4 fc	32.6 fc	2.6:1	1.8:1

LUMINAIRE SCHEDULE								
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
□	SFA	1	SPS2GFSVA232S O	2X4 TROFFER	TWO 32-WATT T-8 F32T8/SP41 LINEAR FLUORESCENTS.	2900	0.86	61.2
□	SFB	1	SPS2GFSVA332O 3	2X4 TROFFER	THREE 32-WATT T-8 F32T8/SP41 LINEAR FLUORESCENTS.	2900	0.86	84.4



PLAN VIEW (FLUORESCENT)

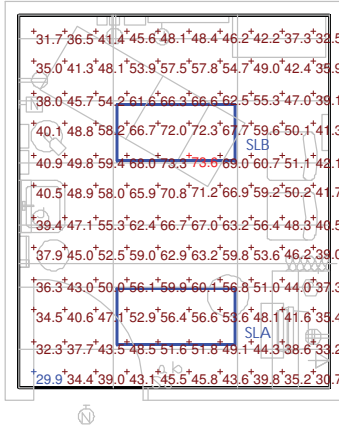
**NOTES**

- Room Square Footage - 120
- Total Watts - 146
- VA EDM Lighting Level (FC) - 50
- Calc. Lighting Level (FC) - 58.2
- Ashrae 90.1 Ltg. Power Den. - 1.5
- Calc. Ltg. Power Density - 1.2
- Reflectance - 80% (Ceiling)
- 50% (Wall)
- 20% (Floor)
- Work Plane Height - 3'-0"



LUMINAIRE SCHEDULE								
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
□	SLA	1	2CLG41L835-4-D- UNV	2X4 TROFFER	LED. LUMINAIRE OUTPUT = 4085 LUMENS	Absolute	0.84	40
□	SLB	1	2CLG74L835-4-D- UNV	2x4 TROFFER	LED. LUMINAIRE OUTPUT = 7440 LUMENS	Absolute	0.84	84.3

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
EXAM ROOM - LED	+	50.0 fc	73.6 fc	29.9 fc	2.5:1	1.7:1



PLAN VIEW (LED)

**NOTES**

- Room Square Footage - 120
- Total Watts - 124.3
- VA EDM Lighting Level (FC) - 50
- Calc. Lighting Level (FC) - 50
- Ashrae 90.1 Ltg. Power Den. - 1.5
- Calc. Ltg. Power Density - 1.1
- Reflectance - 80% (Ceiling)
- 50% (Wall)
- 20% (Floor)
- Work Plane Height - 3'-0"

**Ambulatory Care**  
 (Hospital Based)  
 ETM: Exam Room  
 (Multi-Purpose) (EXRG3)

Designer  
 GLHN  
 Date  
 February 2014  
 Scale  
 1/4" = 1'-0"  
 Drawing No.  
 ACC Sec. 4-72

5.1.1

Calculated values include direct and interreflected components.

### LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
□	SFB	3	SPS2GFSVA332O 3	2X4 TROFFER	THREE 32-WATT T-8 F32T8/SP41 LINEAR FLUORESCENTS.	2900	0.86	84.4

### STATISTICS

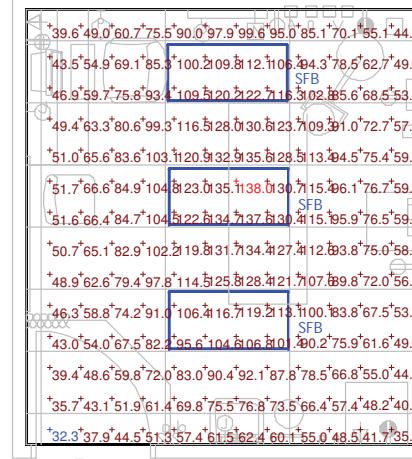
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
TREATMENT ROOM FLUORESCENT	+	82.5 fc	138.0 fc	32.3 fc	4.3:1	2.6:1

### LUMINAIRE SCHEDULE

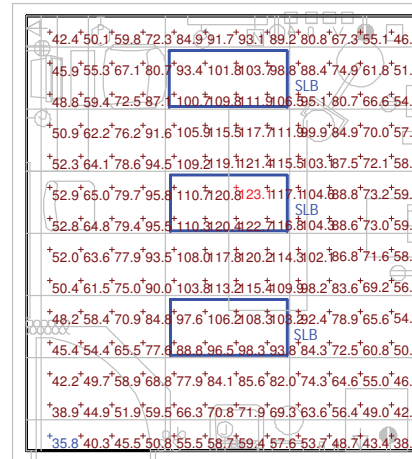
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
□	SLB	3	2CLG74L835-4-D- UNV	2x4 TROFFER	LED. LUMINAIRE OUTPUT = 7440 LUMENS Absolute	7440	0.84	84.3

### STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
TREATMENT ROOM LED	+	77.8 fc	123.1 fc	35.8 fc	3.4:1	2.2:1



PLAN VIEW (FLUORESCENT)



PLAN VIEW (LED)

### NOTES

Room Square Footage - 175  
 Total Watts - 254  
 VA EDM Lighting Level (FC) - 100  
 Calc. Lighting Level (FC) - 82.5  
 Ashrae 90.1 Ltg. Power Den. - 1.5  
 Calc. Ltg. Power Density - 1.5  
 Reflectance - 80% (Ceiling)  
 50% (Wall)  
 20% (Floor)  
 Work Plane Height - 3'-0"

### NOTES

Room Square Footage - 175  
 Total Watts - 253  
 VA EDM Lighting Level (FC) - 100  
 Calc. Lighting Level (FC) - 77.8  
 Ashrae 90.1 Ltg. Power Den. - 1.5  
 Calc. Ltg. Power Density - 1.5  
 Reflectance - 80% (Ceiling)  
 50% (Wall)  
 20% (Floor)  
 Work Plane Height - 3'-0"



**Ambulatory Care**  
 (Hospital Based)  
 ETM: Procedure Room,  
 General Purpose (TRGM1)

Designer  
GLHN

Date  
February 2014

Scale  
1/4" = 1'-0"

Drawing No.  
ACC Sec. 4-96

5.1.2



LUMINAIRE SCHEDULE								
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
□	VFA	3	H9A2GLR232UNV HI	2X4 HIGH PERFORMANCE COFFER	(2) F32T8	2800	0.86	59.7

STATISTICS							
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	Avg/Max
WAREHOUSE STORAGE FLUORESCENT	+	18.8 fc	24.5 fc	14.8 fc	1.7:1	1.3:1	0.8:1

*17.2*18.7*19.6*20.0*19.7*19.0*17.9*16.8*15.8*15.1*14.8*14.8*15.2*16.1*17.2*18.6*19.9*21.0*21.6*21.6*21.1*20.2*18.9*17.6*16.4*15.5*15.0*14.9*15.2*15.9*16.8*17.9*18.9*19.5*19.8*19.6*18.7*17.2
*18.2*20.0*21.2*21.5*21.2*20.3*19.1*17.8*16.6*15.7*15.3*15.3*15.8*16.8*18.2*19.8*21.4*22.8*23.5*23.6*23.0*21.8*20.3*18.7*17.2*16.1*15.5*15.4*15.7*16.5*17.6*18.9*20.1*21.1*21.6*21.4*20.3*18.5
*18.8*20.8*22.0*22.4*22.0*21.0*19.7*18.2*17.0*16.0*15.5*15.6*16.1*17.2*18.7*20.4*22.1*23.6*24.4*24.5*23.8*22.6*20.9*19.2*17.6*16.5*15.8*15.6*16.0*16.8*18.0*19.4*20.7*21.8*22.4*22.1*21.0*19.0
*18.8*20.8*22.0*22.4*22.0*21.0*19.7*18.2*17.0*16.0*15.5*15.6*16.1*17.2*18.7*20.4*22.2*23.6*24.4*24.5*23.8*22.6*20.9*19.2*17.6*16.5*15.8*15.6*16.0*16.8*18.0*19.3*20.7*21.8*22.3*22.0*20.9*19.0
*18.2*20.1*21.2*21.6*21.2*20.3*19.1*17.8*16.6*15.7*15.3*15.3*15.8*16.8*18.2*19.8*21.5*22.8*23.5*23.6*23.0*21.8*20.3*18.7*17.2*16.2*15.5*15.4*15.7*16.5*17.6*18.8*20.1*21.0*21.4*21.2*20.1*18.3
*17.2*18.7*19.7*20.0*19.7*19.0*17.9*16.8*15.8*15.1*14.8*14.8*15.3*16.1*17.2*18.6*20.0*21.0*21.6*21.7*21.1*20.2*18.9*17.6*16.4*15.5*15.0*14.9*15.2*15.9*16.8*17.9*18.9*19.6*19.9*19.6*18.7*17.3

PLAN VIEW (FLUORESCENT)

LUMINAIRE SCHEDULE								
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
□	VLA	4	H9S24GLR41A40U LAG	2X4 HIGH PERFORMANCE COFFER	(8) AP2.0 LED BOARDS	4115	0.81	52.3

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
WAREHOUSE STORAGE LED	+	20.3 fc	23.2 fc	18.1 fc	1.3:1	1.1:1

*18.4*19.1*19.4*19.2*18.9*18.6*18.5*18.7*19.1*19.8*20.5*21.1*21.5*21.6*21.3*20.7*20.1*19.6*19.3*19.3*19.6*20.1*20.7*21.3*21.6*21.5*21.1*20.5*19.8*19.1*18.7*18.5*18.6*18.9*19.2*19.4*19.1*18.4
*18.9*19.8*20.2*20.0*19.6*19.3*19.2*19.3*19.8*20.6*21.4*22.1*22.6*22.6*22.3*21.6*20.9*20.3*19.9*19.9*20.3*20.9*21.6*22.3*22.6*22.6*22.1*21.4*20.6*19.8*19.3*19.2*19.3*19.6*20.0*20.2*19.8*18.9
*19.2*20.2*20.6*20.4*20.0*19.6*19.4*19.6*20.1*20.9*21.8*22.6*23.1*23.2*22.8*22.1*21.3*20.6*20.2*20.6*21.3*22.1*22.8*23.2*23.1*22.6*21.8*20.9*20.1*19.6*19.4*19.6*20.0*20.4*20.6*20.2*19.2
*19.2*20.2*20.5*20.3*19.9*19.5*19.4*19.6*20.1*20.9*21.8*22.6*23.1*23.1*22.7*22.0*21.2*20.6*20.2*20.6*21.2*22.0*22.7*23.1*23.1*22.6*21.8*20.9*20.1*19.6*19.4*19.5*19.9*20.3*20.5*20.2*19.2
*18.7*19.7*20.0*19.8*19.5*19.1*19.0*19.1*19.6*20.4*21.2*21.9*22.4*22.4*22.1*21.5*20.7*20.1*19.7*19.7*20.1*20.7*21.5*22.1*22.4*22.4*21.9*21.2*20.4*19.6*19.1*19.0*19.1*19.5*19.8*20.0*19.7*18.7
*18.1*18.8*19.1*18.9*18.6*18.3*18.2*18.4*18.8*19.5*20.2*20.8*21.2*21.3*21.0*20.4*19.8*19.3*19.0*19.0*19.3*19.8*20.4*21.0*21.3*21.2*20.8*20.2*19.5*18.8*18.4*18.2*18.3*18.6*18.9*19.1*18.8*18.1

PLAN VIEW (LED)

**NOTES**

- Room Square Footage - 240
- Total Watts - 179
- VA EDM Lighting Level (FC) -20
- Calc. Lighting Level (FC) - 18.8
- Ashrae 90.1 Ltg. Power Den. - 1.0
- Calc. Ltg. Power Density - 0.7
- Reflectance: Ceiling 80%
- Walls 50%
- Floor 20%
- Calculation Level - 0"

**NOTES**

- Room Square Footage - 240
- Total Watts - 209
- VA EDM Lighting Level (FC) -20
- Calc. Lighting Level (FC) - 20.3
- Ashrae 90.1 Ltg. Power Den. - 1.0
- Calc. Ltg. Power Density - 0.9
- Reflectance: Ceiling 80%
- Walls 50%
- Floor 20%
- Calculation Level - 0"

Ambulatory Care  
 (Hospital Based)  
 Typical 6 Foot Wide Corridor  
 (CORR)

Designer  
 GLHN  
 Date  
 February 2014  
 Scale  
 1/4" = 1'-0"  
 Drawing No.  
 ACC CORR-06

5.1.3

Calculated values include direct and interreflected components.



LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts	
□	VFA	3	H9A2GLR232UNV HI	2X4 HIGH PERFORMANCE COFFER	(2) F32T8	2800	0.86	59.7	

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Corridor Fluorescent	+	19.3 fc	24.0 fc	10.5 fc	2.3:1	1.8:1

10.5	*15.0	*17.6	*19.1	*19.2	*18.5	*18.0	*18.2	*19.1	*20.3	*20.8	*20.3	*19.1	*18.1	*18.0	*18.5	*19.2	*19.1	*17.6	*15.0
11.1	*15.5	*18.7	*20.4	*20.5	*19.5	*18.8	*19.0	*20.2	*21.6	*22.3	*21.6	*20.2	*19.0	*18.8	*19.6	*20.5	*20.4	*18.6	*15.4
11.5	*15.9	*19.5	*21.4	*21.4	*20.3	*19.5	*19.7	*21.0	*22.6	*23.4	*22.6	*21.0	*19.6	*19.5	*20.3	*21.4	*21.4	*19.5	*15.9
11.7	*16.1	*19.9	*22.0	*22.0	*20.8	*19.8	*20.0	*21.4	*23.2	*24.0	*23.2	*21.4	*20.0	*19.8	*20.8	*22.0	*22.0	*19.9	*16.1
11.7	*16.1	*19.9	*22.0	*22.0	*20.8	*19.8	*20.0	*21.4	*23.2	*24.0	*23.2	*21.4	*20.0	*19.8	*20.8	*22.0	*22.0	*19.9	*16.1
11.5	*15.9	*19.5	*21.4	*21.4	*20.3	*19.5	*19.7	*21.0	*22.6	*23.4	*22.6	*21.0	*19.6	*19.5	*20.3	*21.4	*21.4	*19.5	*15.9
11.1	*15.5	*18.7	*20.4	*20.5	*19.5	*18.8	*19.0	*20.2	*21.6	*22.3	*21.6	*20.2	*19.0	*18.8	*19.6	*20.5	*20.4	*18.6	*15.4
10.5	*15.0	*17.6	*19.1	*19.2	*18.5	*18.0	*18.2	*19.1	*20.3	*20.8	*20.3	*19.1	*18.1	*18.0	*18.5	*19.2	*19.1	*17.6	*15.0

LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts	
□	VLAL	3	2TL4 46L RW A19 D50 LP835	LED AMBIENT TROFFER, 2'X4'	ONE 49.6-WATT LED	Absolute	0.81	49.6	

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Corridor LED	+	21.9 fc	29.4 fc	10.8 fc	2.7:1	2.0:1

10.8	*17.0	*21.2	*23.3	*22.3	*19.6	*17.9	*18.0	*19.8	*22.7	*24.1	*22.7	*19.8	*18.0	*17.9	*19.6	*22.3	*23.3	*21.2	*16.9
11.7	*17.8	*23.0	*25.6	*24.2	*21.1	*19.2	*19.3	*21.3	*24.7	*26.5	*24.7	*21.3	*19.3	*19.2	*21.1	*24.2	*25.6	*23.0	*17.8
12.3	*18.6	*24.5	*27.5	*25.8	*22.2	*20.2	*20.2	*22.4	*26.2	*28.3	*26.2	*22.4	*20.2	*20.2	*22.2	*25.8	*27.5	*24.4	*18.6
12.6	*19.1	*25.3	*28.5	*26.6	*22.8	*20.7	*20.7	*23.0	*27.1	*29.4	*27.1	*23.0	*20.7	*20.7	*22.8	*26.6	*28.5	*25.3	*19.1
12.6	*19.1	*25.3	*28.5	*26.6	*22.8	*20.7	*20.7	*23.0	*27.1	*29.4	*27.1	*23.0	*20.7	*20.7	*22.8	*26.6	*28.5	*25.3	*19.1
12.3	*18.6	*24.5	*27.5	*25.8	*22.2	*20.2	*20.2	*22.4	*26.2	*28.3	*26.2	*22.4	*20.2	*20.2	*22.2	*25.8	*27.5	*24.4	*18.6
11.7	*17.8	*23.0	*25.6	*24.2	*21.1	*19.2	*19.3	*21.3	*24.7	*26.5	*24.7	*21.3	*19.3	*19.2	*21.1	*24.2	*25.6	*23.0	*17.8
10.8	*17.0	*21.2	*23.3	*22.3	*19.6	*17.9	*18.0	*19.8	*22.7	*24.1	*22.7	*19.8	*18.0	*17.9	*19.6	*22.3	*23.3	*21.2	*16.9

**NOTES**

Room Square Footage - 288  
 Total Watts - 179  
 VA EDM Lighting Level (FC) -20  
 Calc. Lighting Level (FC) - 20.2  
 Ashrae 90.1 Ltg. Power Den. - 1.0  
 Calc. Ltg. Power Density - 0.6  
 Reflectance: Ceiling 80%  
 Walls 50%  
 Floor 20%  
 Calculation Level - 0"

PLAN VIEW (FLOURESCENT)

**NOTES**

Room Square Footage - 288  
 Total Watts - 149  
 VA EDM Lighting Level (FC) -20  
 Calc. Lighting Level (FC) - 21.9  
 Ashrae 90.1 Ltg. Power Den. - 1.0  
 Calc. Ltg. Power Density - 0.5  
 Reflectance: Ceiling 80%  
 Walls 50%  
 Floor 20%  
 Calculation Level - 0"

PLAN VIEW (LED)

Ambulatory Care  
 (Hospital Based)  
 Typical 8 Foot Wide Corridor  
 (CORR)

Designer  
 GLHN  
 Date  
 Feb 18 2014  
 Scale  
 1/4" = 1'-0"  
 Drawing No.  
 ACC CORR-08

5.1.4

Calculated values include direct and interreflected components.

### LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
□	VFA	3	H9A2GLR232UNV HI	2X4 HIGH PERFORMANCE COFFER	(2) F32T8	2900	0.86	59.7

### STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
NURSE STATION FLUORESCENT	+	55.0 fc	66.7 fc	38.0 fc	1.8:1	1.4:1

### NOTES

Room Square Footage - 150  
 Total Watts - 179  
 VA EDM Lighting Level (FC) - 50  
 Calc. Lighting Level (FC) - 55  
 Ashrae 90.1 Ltg. Power Den. - 1.0  
 Calc. Ltg. Power Density - 1.2  
 Reflectance - 80% (Ceiling)  
                   50% (Wall)  
                   20% (Floor)  
 Work Plane Height - 3'-0"

### LUMINAIRE SCHEDULE

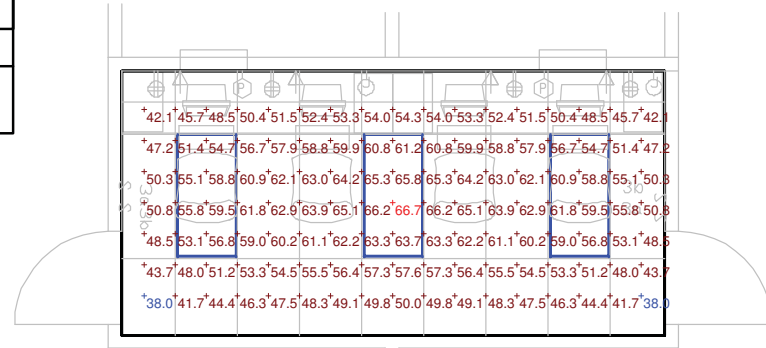
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
□	VLA	3	H9S24GLR41A40U LAG	2X4 Volumetric Coffier	(8) AP2.0 LED BOARDS	4115	0.81	52.3

### STATISTICS

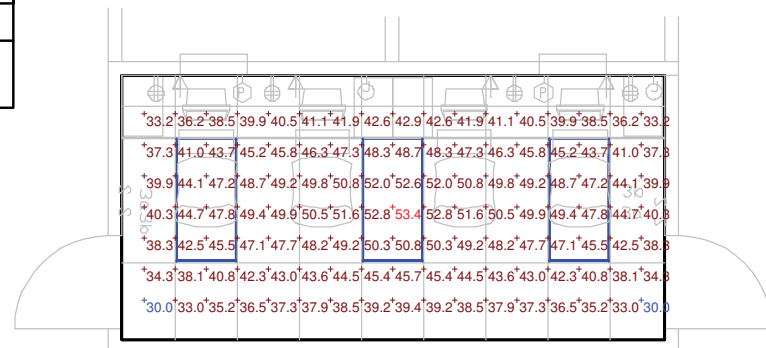
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
NURSE STATION LED	+	43.6 fc	53.4 fc	30.0 fc	1.8:1	1.5:1

### NOTES

Room Square Footage - 150  
 Total Watts - 160  
 VA EDM Lighting Level (FC) - 50  
 Calc. Lighting Level (FC) - 43.6  
 Ashrae 90.1 Ltg. Power Den. - 1.0  
 Calc. Ltg. Power Density - 1.1  
 Reflectance - 80% (Ceiling)  
                   50% (Wall)  
                   20% (Floor)  
 Work Plane Height - 3'-0"



PLAN VIEW (FLUORESCENT)



PLAN VIEW (LED)



**Ambulatory Care**  
 (Hospital Based)  
 ETM: Nurse Station  
 Communication Center (NSTA4)

**Designer**  
 GLHN  
**Date**  
 February 2014  
**Scale**  
 1/4" = 1'-0"  
**Drawing No.**  
 ACC Sec. 4-88

5.1.5

Calculated values include direct and interreflected components.



Ambulatory Care  
 (Hospital Based)  
 Reception (RECEPT)  
 Clinic Reception

### LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
○	FDA	5	8031CCLW	6" APERTURE CFL RECESSED DOWNLIGHT	26W PLT CFL LAMP	1800	0.86	28.6
□	VFA	2	H9A2GLR232UNV HI	2X4 HIGH PERFORMANCE COFFER	(2) F32T8	2800	0.86	59.7

### STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
RECEPTION FLUORESCENT	+	44.7 fc	56.4 fc	25.2 fc	2.2:1	1.8:1

### LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
○	DLA	5	C4L10DL35KCLWV B-C4L10NUVBZ10V	4" DOWNLIGHT	LED. LUMINAIRE OUTPUT = 1078 LMS	Absolute	0.81	14.6
□	VLA	2	2RRTLED 4600L D502RRTLED 2X4, 4573 LP835	LUMEM,50 WATT, 3500K LAMP	ONE 50-WATT LED UNIT, DOWNLIGHT POS.	Absolute	0.81	50

### STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
RECEPTION LED	+	44.4 fc	59.2 fc	20.7 fc	2.9:1	2.1:1



PLAN VIEW (FLUORESCENT)

### NOTES

Room Square Footage - 200  
 Total Watts - 263  
 VA EDM Lighting Level (FC) -30  
 Calc. Lighting Level (FC) - 44.7  
 Ashrae 90.1 Ltg. Power Den. - 1.1  
 Calc. Ltg. Power Density - 1.3  
 Reflectance: Ceiling 80%  
                   Walls 50%  
                   Floor 20%  
 Calculation Level - 30"




PLAN VIEW (LED)

### NOTES

Room Square Footage - 200  
 Total Watts - 173  
 VA EDM Lighting Level (FC) -30  
 Calc. Lighting Level (FC) - 44.4  
 Ashrae 90.1 Ltg. Power Den. - 1.1  
 Calc. Ltg. Power Density - 0.9  
 Reflectance: Ceiling 80%  
                   Walls 50%  
                   Floor 20%  
 Calculation Level - 30"

Calculated values include direct and interreflected components.


Designer  
 GLHN  
 Date  
 February 2014  
 Scale  
 1/4" = 1'-0"  
 Drawing No.  
 ACC 4-18

LUMINAIRE SCHEDULE								
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	DFB	6	8031CCLW	6" APERTURE CFL RECESSED DOWNLIGHT	32W PLT CFL LAMP, GX24Q-4 BASE, 2400 LMS	2400	0.86	36.6

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
WAITING ROOM FLUORESCENT	+	34.4 fc	41.8 fc	24.0 fc	1.7:1	1.4:1

**NOTES**

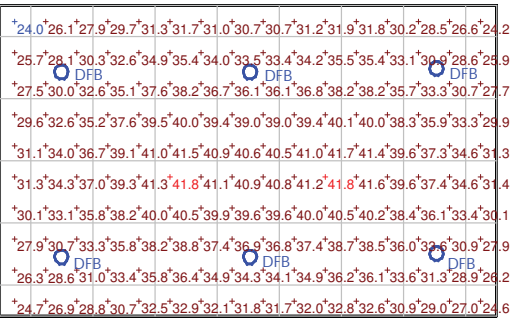
Room Square Footage - 200  
 Total Watts - 220  
 VA EDM Lighting Level (FC) -30  
 Calc. Lighting Level (FC) - 34.4  
 Ashrae 90.1 Ltg. Power Den. - 1.1  
 Calc. Ltg. Power Density - 1.1  
 Reflectance: Ceiling 80%  
                   Walls 50%  
                   Floor 20%  
 Calculation Level - 30"

LUMINAIRE SCHEDULE								
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	DLB	6	C6L1520DL35KWC LWVB-C6L15NUVBZ10V	6" APERTURE CFL RECESSED DOWNLIGHT	LUMINAIRE OUTPUT = 1614 LMS	Absolute	0.81	21.4

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
WAITING ROOM LED	+	38.3 fc	45.3 fc	29.5 fc	1.5:1	1.3:1

**NOTES**

Room Square Footage - 200  
 Total Watts - 129  
 VA EDM Lighting Level (FC) -30  
 Calc. Lighting Level (FC) - 38.3  
 Ashrae 90.1 Ltg. Power Den. - 1.1  
 Calc. Ltg. Power Density - 0.6  
 Reflectance: Ceiling 80%  
                   Walls 50%  
                   Floor 20%  
 Calculation Level - 30"



PLAN VIEW (FLUORESCENT)



PLAN VIEW (LED)




Ambulatory Care  
 (Hospital Based)  
 Waiting (WAIT1)  
 Clinic Waiting Room

Designer  
 GLHN  
 Date  
 February 2014  
 Scale  
 1/4" = 1'-0"  
 Drawing No.  
 N/A

5.1.7


Calculated values include direct and interreflected components.

LUMINAIRE SCHEDULE								
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	DFD	6	8031CCLW	6" APERTURE CFL RECESSED DOWNLIGHT	32W PLT CFL LAMP, GX24Q-4 BASE, 2400 LMS	2400	0.86	36.6

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
TELEVISION LOUNGE FLUORESCENT	+	34.4 fc	41.8 fc	24.0 fc	1.7:1	1.4:1

**NOTES**

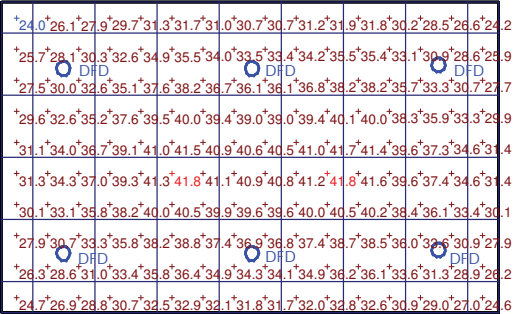
Room Square Footage - 200  
 Total Watts - 220  
 VA EDM Lighting Level (FC) -30  
 Calc. Lighting Level (FC) - 34.4  
 Ashrae 90.1 Ltg. Power Den. - 1.1  
 Calc. Ltg. Power Density - 1.1  
 Reflectance: Ceiling 80%  
                   Walls 50%  
                   Floor 20%  
 Calculation Level - 30"

LUMINAIRE SCHEDULE								
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	DLD	6	C6L1520DL35KWC LWVB-C6L15NUVBZ10V	-	LUMINAIRE OUTPUT = 1614 LMS	Absolute	0.81	21.4

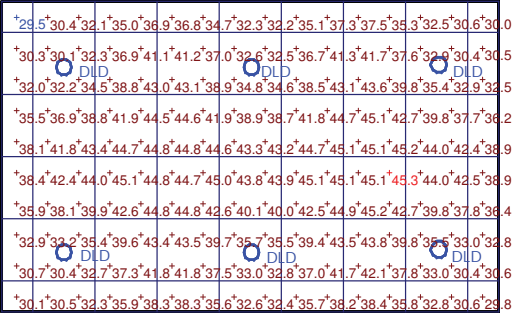
STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
TELEVISION LOUNGE LED	+	38.3 fc	45.3 fc	29.5 fc	1.5:1	1.3:1

**NOTES**

Room Square Footage - 200  
 Total Watts - 129  
 VA EDM Lighting Level (FC) -30  
 Calc. Lighting Level (FC) - 38.3  
 Ashrae 90.1 Ltg. Power Den. - 1.1  
 Calc. Ltg. Power Density - 0.64  
 Reflectance: Ceiling 80%  
                   Walls 50%  
                   Floor 20%  
 Calculation Level - 30"



PLAN VIEW (FLUORESCENT)



PLAN VIEW (LED)



**Ambulatory Care**  
 (Hospital Based)  
 Television Lounge (TVLG1)  
 Clinic Television Lounge

Designer  
 GLHN  
 Date  
 February 2014  
 Scale  
 1/4" = 1'-0"  
 Drawing No.  
 N/A

Calculated values include direct and interreflected components.

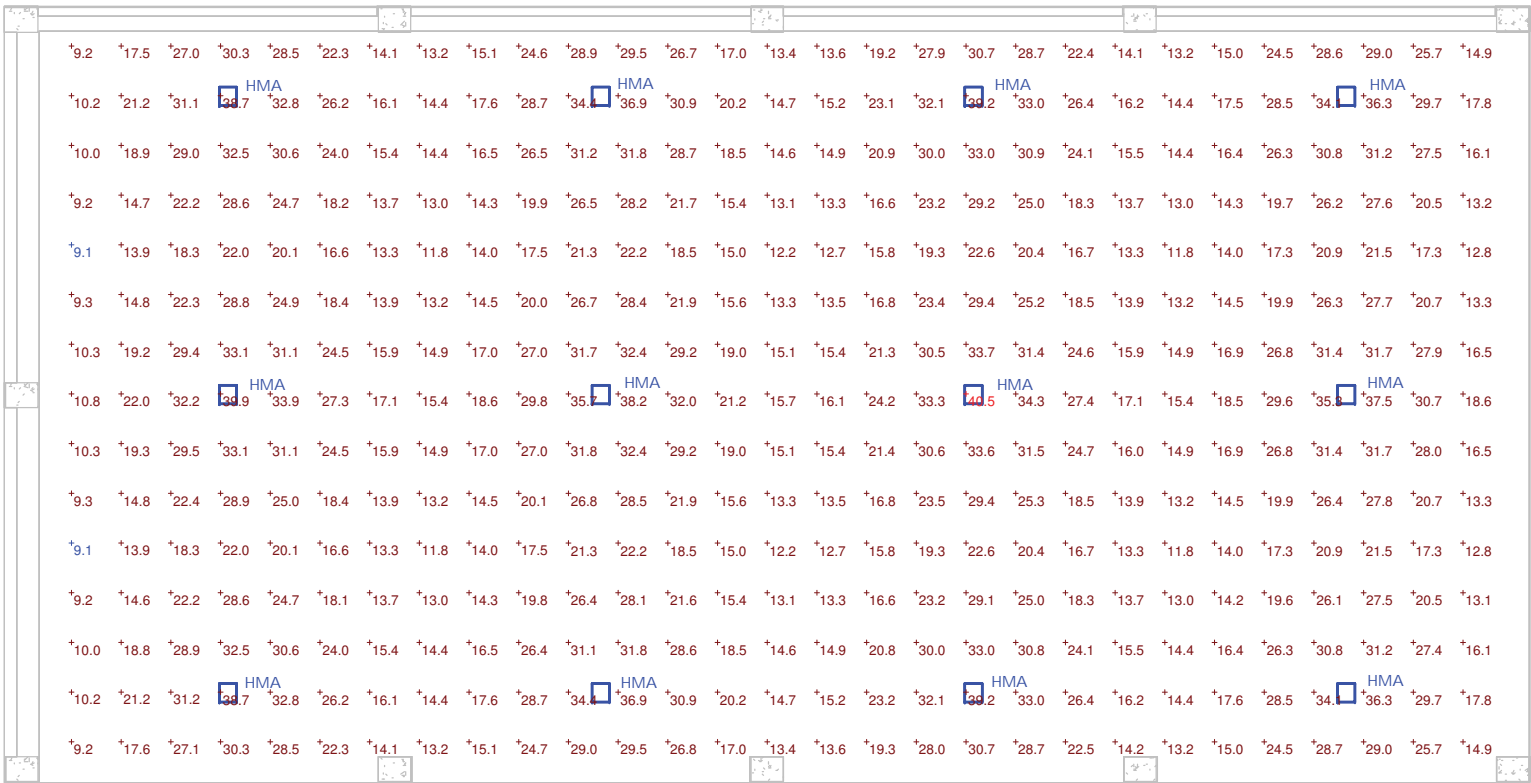


## LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
□	HMA	12	HBO400PMT-A17-16/17BE P1	PHILIPS 17" OPEN ALUMINUM HIGHBAY W/BOTTOM ENCLOSURE LAMP POSITION 1	400WMHPS	41000	0.55	463

## STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Warehouse Storage	+	21.7 fc	40.5 fc	9.1 fc	4.5:1	2.4:1



**Plan View**  
Scale 1" = 10'

**NOTES**  
 Room Square Footage - 6847  
 Total Watts - 5556  
 VA EDM Lighting Level (FC) -20  
 Calc. Lighting Level (FC) - 21.7  
 Ashrae 90.1 Ltg. Power Den. - 0.9  
 Calc. Ltg. Power Density - 0.8  
 Reflectance: Ceiling 80%  
                   Walls 50%  
                   Floor 20%  
 Calculation Level - 30"



**Ambulatory Care**  
 (Hospital Based)  
 Typical Warehouse Storage  
 (WARE)

**Designer**  
 GLHN  


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**Date**  
 February 2014  


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**Scale**  
 AS NOTED  


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**Drawing No.**  
 ACC WARE-01

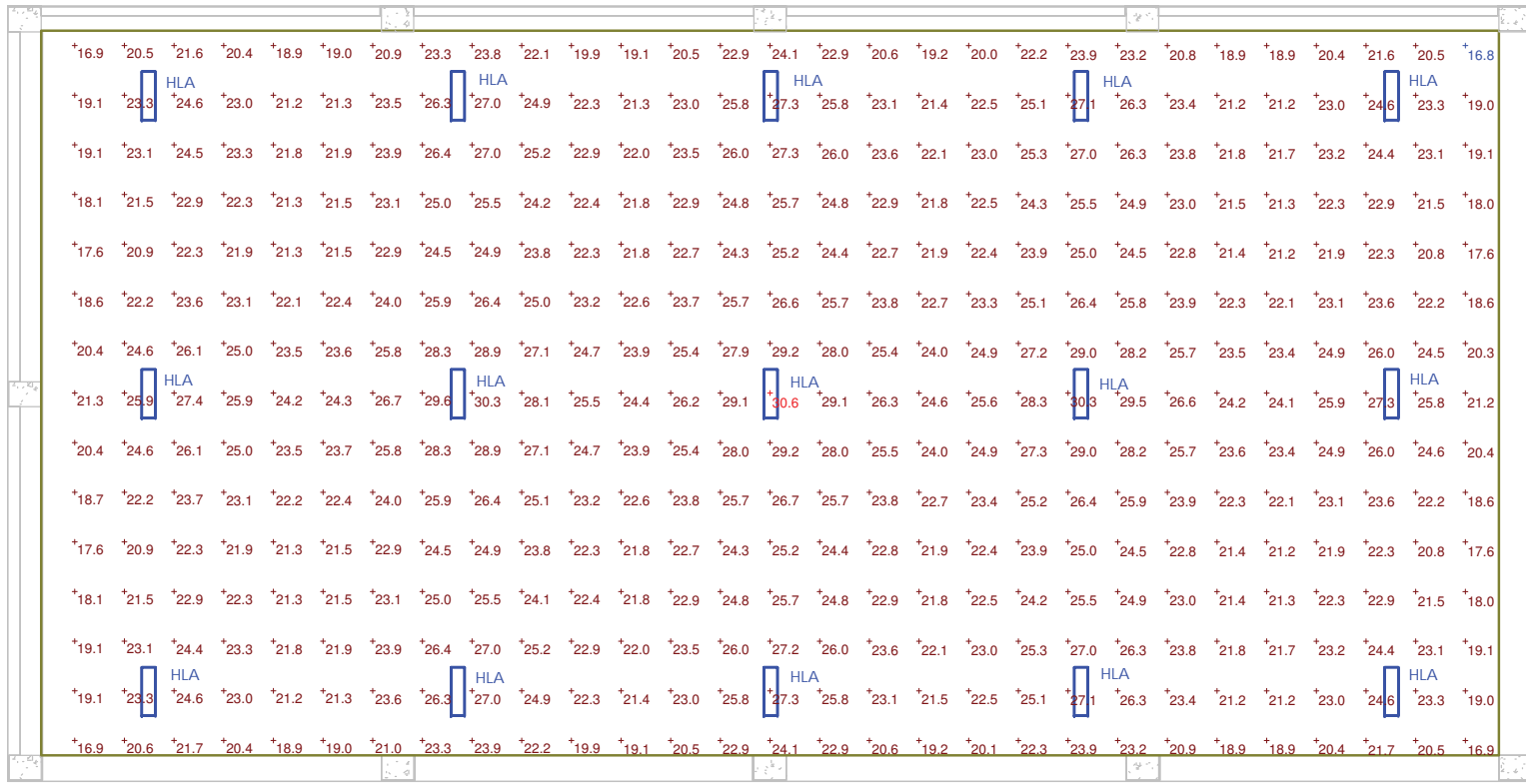
5.1.9a

LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts	
□	HLA	15	FBL20LL40-UNV	PHILIPS FBL LED HIGHBAY PHASE II 8-LP3.2 4K NO OPTICS 4-54W 5110 OHM RESISTOR OPEN	LED, LUMINAIRE OUTPUT = 20410 LM	Absolute	0.81	187.7	

**NOTES**  
 Room Square Footage - 6847  
 Total Watts - 2816  
 VA EDM Lighting Level (FC) -20  
 Calc. Lighting Level (FC) - 23.4  
 Ashrae 90.1 Ltg. Power Den. - 0.9  
 Calc. Ltg. Power Density - 0.4  
 Reflectance: Ceiling 80%  
 Walls 50%  
 Floor 20%  
 Calculation Level - 30"



STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Warehouse Storage	+	23.4 fc	30.6 fc	16.8 fc	1.8:1	1.4:1



**Plan View**  
 Scale 1" = 10'

**Ambulatory Care**  
 (Hospital Based)  
 Typical Warehouse Storage  
 (WARE)

**Designer**  
 GLHN  
**Date**  
 February 2014  
**Scale**  
 As Noted  
**Drawing No.**  
 ACC WARE-02

**5.1.9b**

Calculated values include direct and interreflected components.

### LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
□	HMA	15	HBO400PMT-A17-16/17BE P1	17" OPEN ALUMINUM HIGHBAY W/BOTTOM ENCLOSURE	400WMHPS	18552P.ies	41000	0.55	463

### STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Energy Center	+	28.1 fc	41.7 fc	15.3 fc	2.7:1	1.8:1

### NOTES

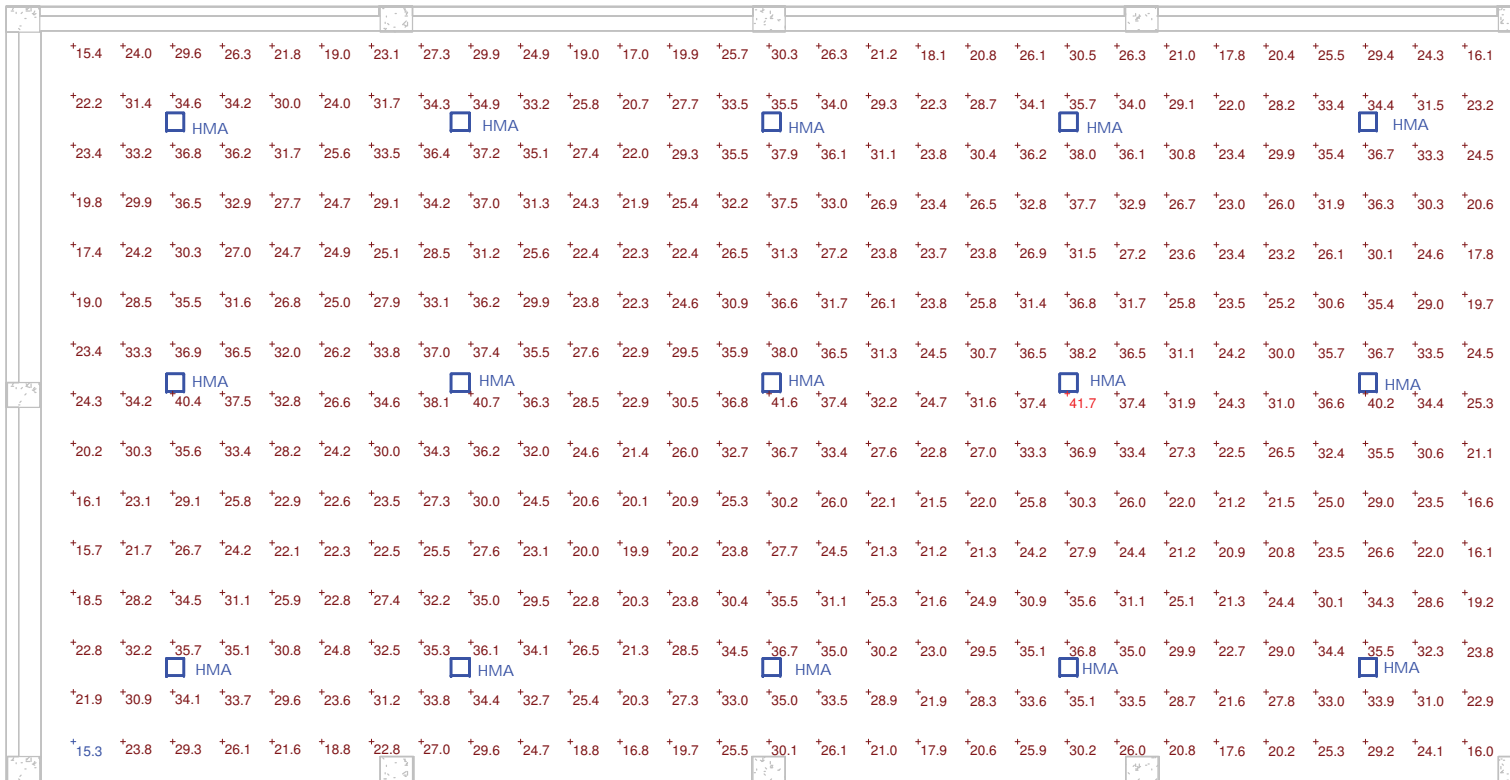
Room Square Footage - 6847  
 Total Watts - 6945  
 VA EDM Lighting Level (FC) -30  
 Calc. Lighting Level (FC) - 28.1  
 Ashrae 90.1 Ltg. Power Den. - 1.5  
 Calc. Ltg. Power Density - 1.0  
 Reflectance: Ceiling 80%  
                   Walls 50%  
                   Floor 20%  
 Calculation Level - 30"



**Ambulatory Care**  
 (Hospital Based)  
 Typical Energy Center (ENER)

**Designer**  
 GLHN  
**Date**  
 February 2014  
**Scale**  
 As Noted  
**Drawing No.**  
 ACC ENER-01

5.1.10a



**Plan View**  
 Scale 1" = 10'

Calculated values include direct and interreflected components.

### LUMINAIRE SCHEDULE

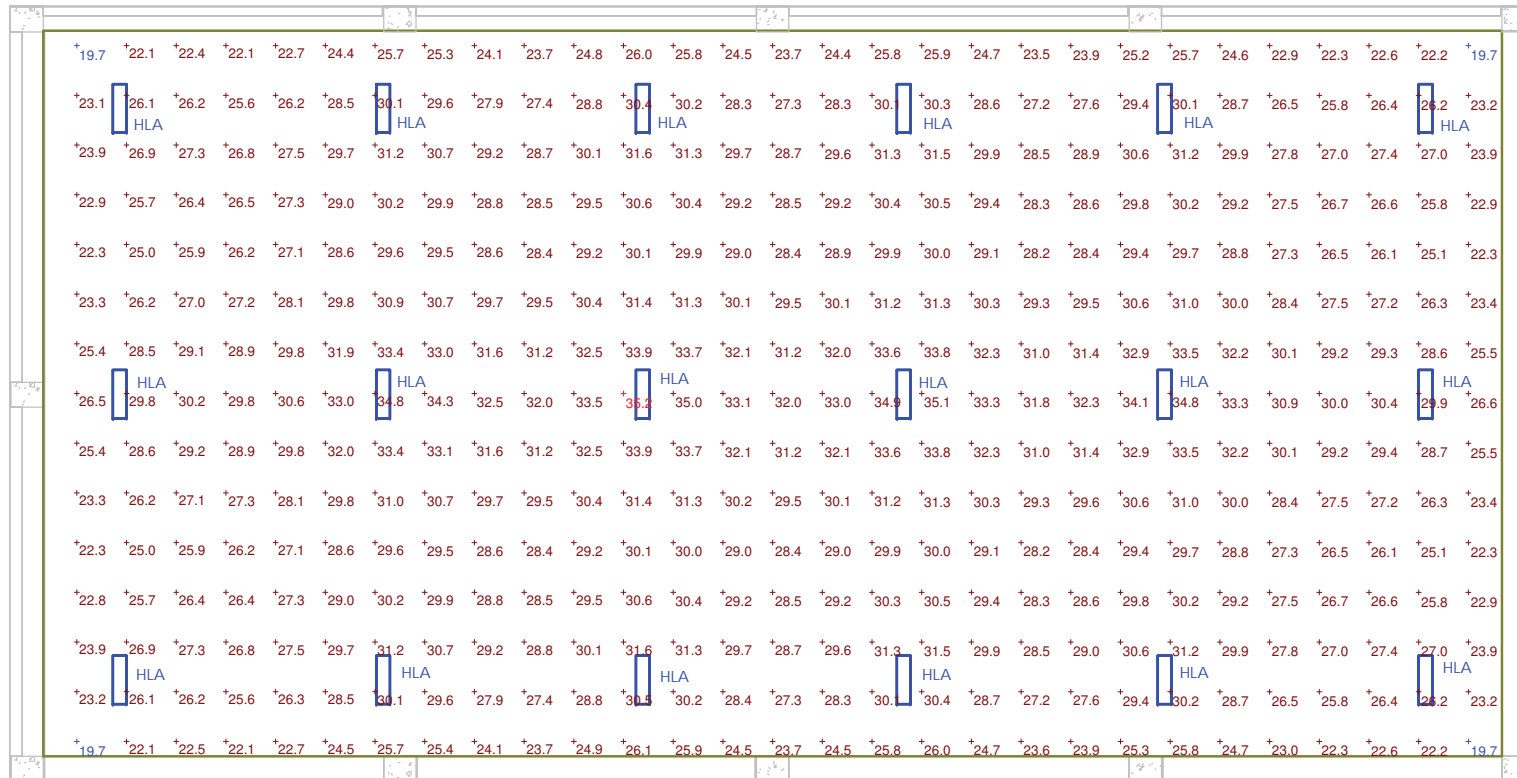
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
□	HLA	18	FBL20LL40-UNV	LED HIGHBAY PHASE II 8-LP3.2 4K NO OPTICS 4- 54W 5110 OHM RESISTOR OPEN	LED. LUMINAIRE OUTPUT = 20410 LM	Absolute	0.81	187.7

### NOTES

Room Square Footage - 6847  
 Total Watts - 3378.6  
 VA EDM Lighting Level (FC) -30  
 Calc. Lighting Level (FC) - 28.4  
 Ashrae 90.1 Ltg. Power Den. - 1.5  
 Calc. Ltg. Power Density - 0.5  
 Reflectance: Ceiling 80%  
                   Walls 50%  
                   Floor 20%  
 Calculation Level - 30"

### STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Energy Center	+	28.4 fc	35.2 fc	19.7 fc	1.8:1	1.4:1



**Plan View**  
 Scale 1" = 10'



**Ambulatory Care**  
 (Hospital Based)  
 Typical Emergency Center  
 (EMER)

**Designer**  
 GLHN  
**Date**  
 February 2014  
**Scale**  
 As Noted  
**Drawing No.**  
 ACC ENER-01

**5.1.10b**

Calculated values include direct and interreflected components.

### LUMINAIRE SCHEDULE

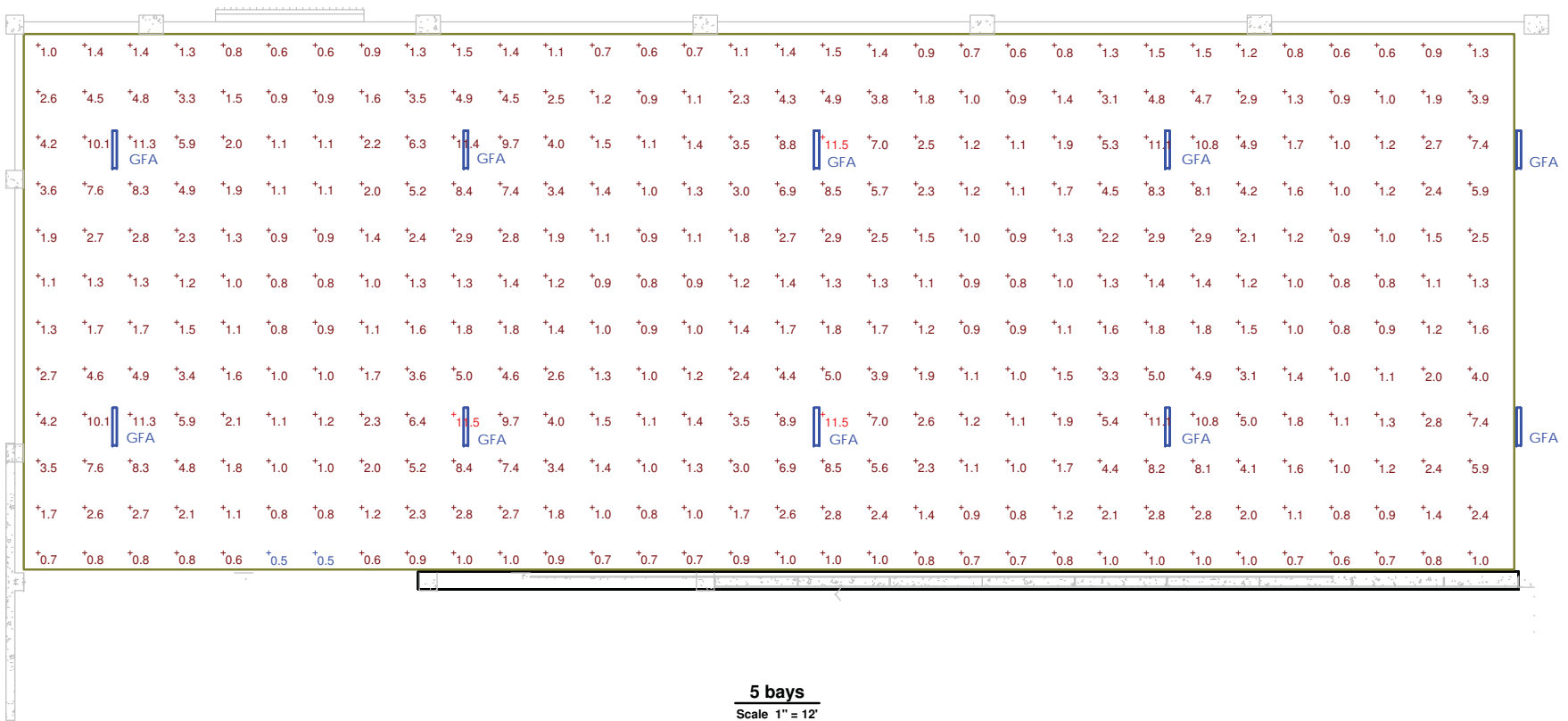
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	GFA	10	LWRE232-UNV	PHILIPS 4' LOW PROFILE VAPORLUME	F32T8	2850	0.86	53

### STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking Garage	+	2.6 fc	11.5 fc	0.5 fc	23.0:1	5.2:1

### NOTES

Room Square Footage - 9345  
 Total Watts - 530  
 VA EDM Lighting Level (FC) -2  
 Calc. Lighting Level (FC) - 2.6  
 Ashrae 90.1 Ltg. Power Den. - 0.2  
 Calc. Ltg. Power Density - 0.1  
 Reflectance: Ceiling 80%  
                   Walls 50%  
                   Floor 20%  
 Calculation Level - 0"



**Ambulatory Care**  
 (Hospital Based)  
 Typical Parking Garage  
 (GARG)

**Designer**  
 GLHN  
**Date**  
 February 2014  
**Scale**  
 As Noted  
**Drawing No.**  
 ACC GARG-01

**5.1.11a**

Calculated values include direct and interreflected components.

### LUMINAIRE SCHEDULE

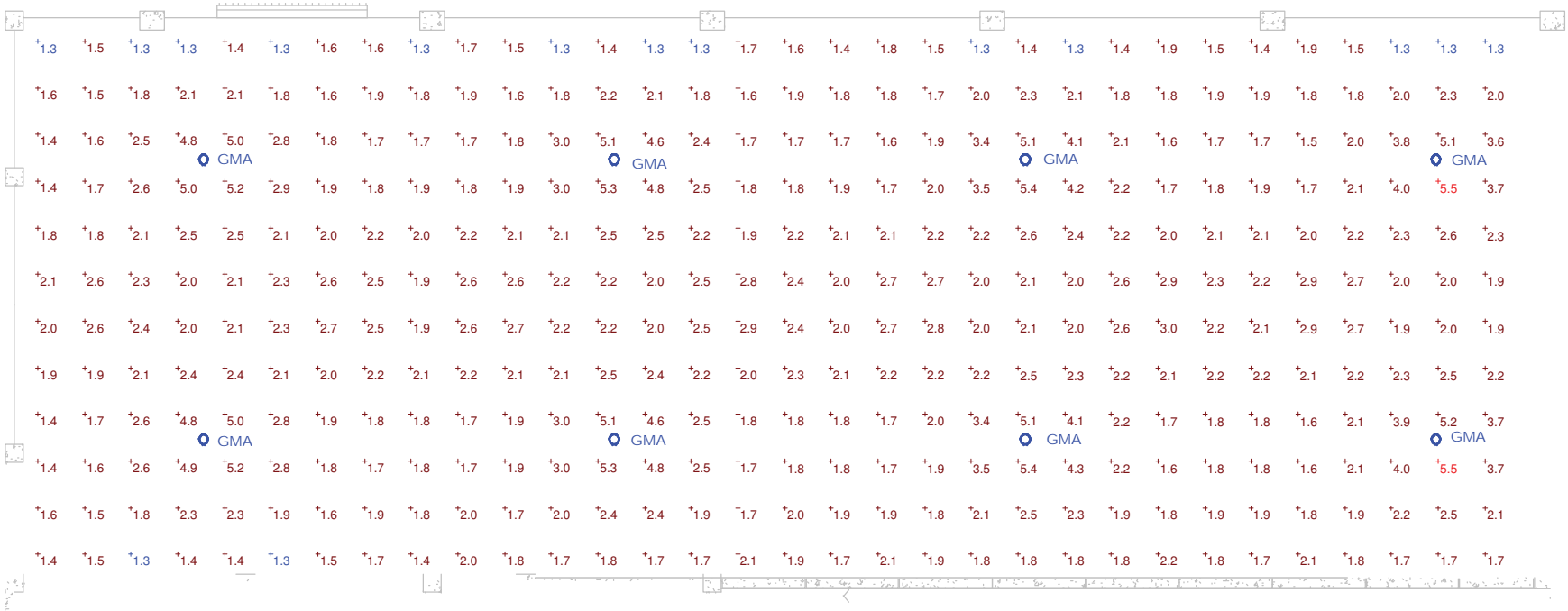
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	GMA	8	PGR 100M	PARKING GARAGE LUMINAIRE WITH RECTANGULAR, CUTOFF DISTRIBUTION.	ONE 100-WATT CLEAR ED-17 METAL HALIDE, VERTICAL BASE-UP POSITION.	8500	0.55	140

### STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking Garage	+	2.3 fc	5.5 fc	1.3 fc	4.2:1	1.8:1

### NOTES

Room Square Footage - 9345  
 Total Watts - 1120  
 VA EDM Lighting Level (FC) -2  
 Calc. Lighting Level (FC) - 2.3  
 Ashrae 90.1 Ltg. Power Den. - 0.2  
 Calc. Ltg. Power Density - 0.1  
 Reflectance: Ceiling 80%  
                   Walls 50%  
                   Floor 20%  
 Calculation Level - 0"



5 bays  
 Scale 1" = 12'



Ambulatory Care  
 (Hospital Based)  
 Typical Parking Garage  
 (GARG)

**Designer**  
 GLHN  
**Date**  
 February 2014  
**Scale**  
 As Noted  
**Drawing No.**  
 ACC GARG-01

5.1.11b

### LUMINAIRE SCHEDULE

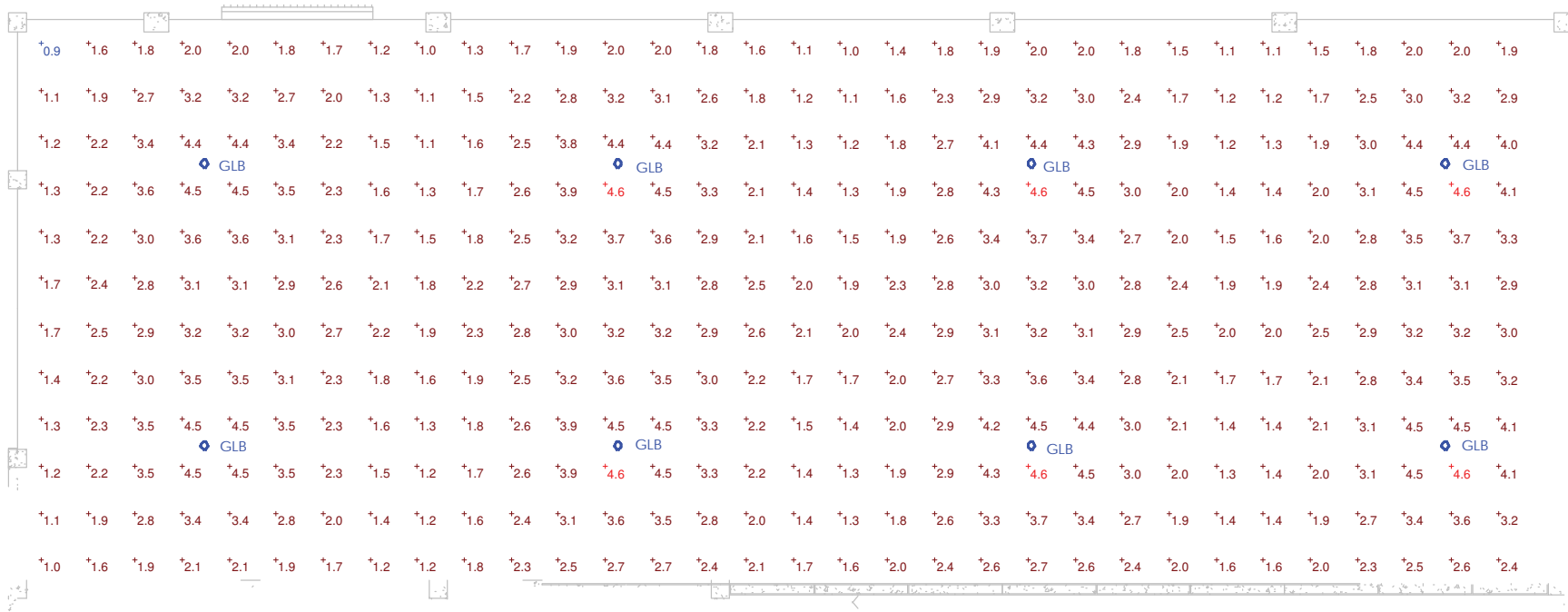
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	GLB	8	G3-5-1-55LA-161A-NW	G3 LED PARKING GARAGE & CANOPY	(1) LIGHT ARRAY OF 16 LEDs DRIVEN AT 1050mA	Absolute	0.81	53.4

### STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking Garage	+	2.6 fc	4.6 fc	0.9 fc	5.1:1	2.9:1

### NOTES

Room Square Footage - 9345  
 Total Watts - 427  
 VA EDM Lighting Level (FC) -2  
 Calc. Lighting Level (FC) - 2.3  
 Ashrae 90.1 Ltg. Power Den. - 0.2  
 Calc. Ltg. Power Density - 0.05  
 Reflectance: Ceiling 80%  
                   Walls 50%  
                   Floor 20%  
 Calculation Level - 0"



**5 bays**  
 Scale 1" = 12'



**Ambulatory Care**  
 (Hospital Based)  
 Typical Parking Garage  
 (GARG)

**Designer**  
 GLHN  
**Date**  
 February 2014  
**Scale**  
 As Noted  
**Drawing No.**  
 ACC GARG-01

**5.1.11c**

Calculated values include direct and interreflected components.



VA Tucson  
New SW Parking Lot Lighting  
100W. CMH. 30ft. Poles

Designer  
GLHN  
Date  
February 2014  
Scale  
As Noted  
Drawing No.  
N/A

5.1.12a

### LUMINAIRE SCHEDULE

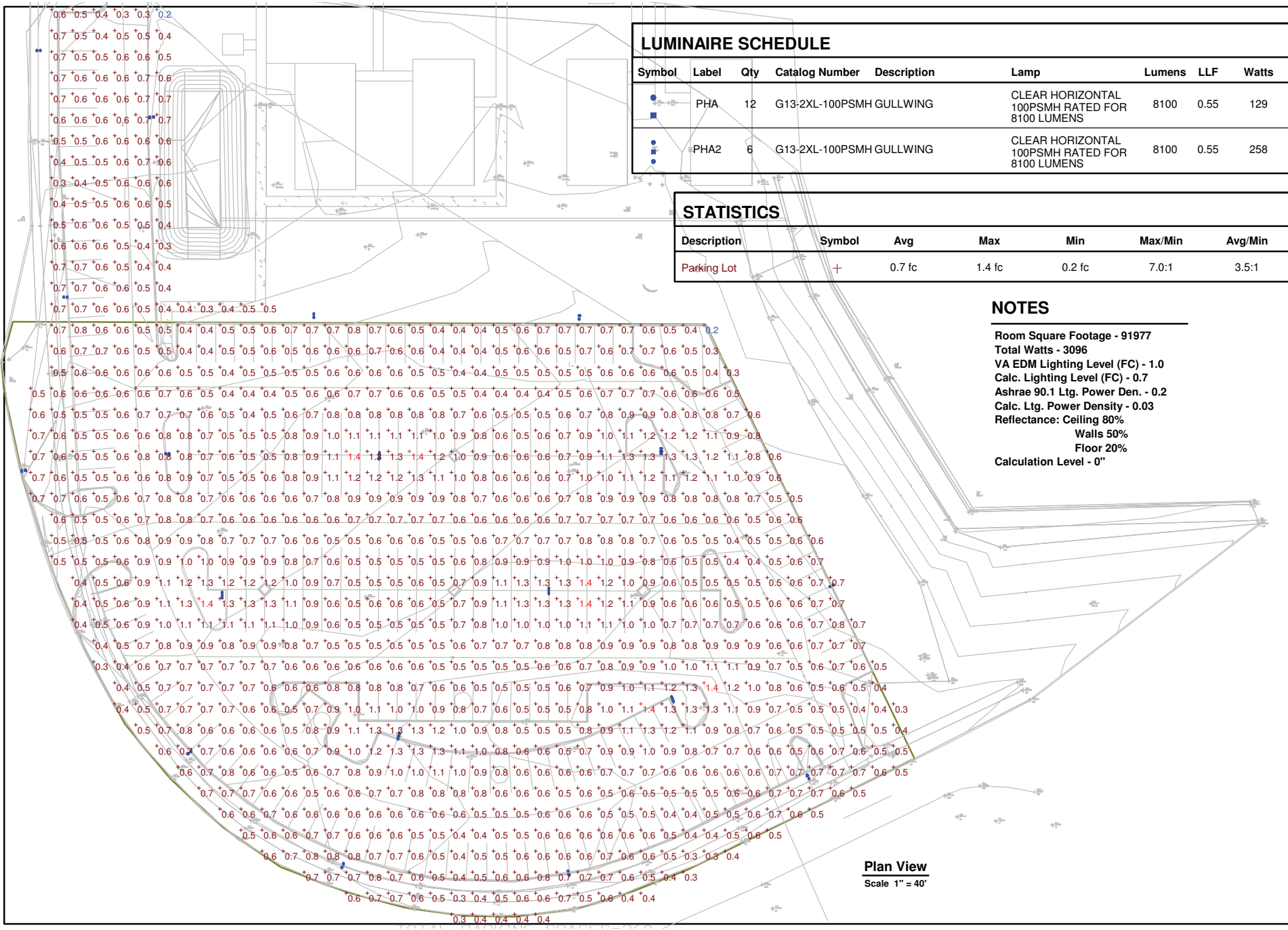
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	PHA	12	G13-2XL-100PSMH GULLWING		CLEAR HORIZONTAL 100PSMH RATED FOR 8100 LUMENS	8100	0.55	129
	PHA2	6	G13-2XL-100PSMH GULLWING		CLEAR HORIZONTAL 100PSMH RATED FOR 8100 LUMENS	8100	0.55	258

### STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking Lot	+	0.7 fc	1.4 fc	0.2 fc	7.0:1	3.5:1

### NOTES

- Room Square Footage - 91977
- Total Watts - 3096
- VA EDM Lighting Level (FC) - 1.0
- Calc. Lighting Level (FC) - 0.7
- Ashrae 90.1 Ltg. Power Den. - 0.2
- Calc. Ltg. Power Density - 0.03
- Reflectance: Ceiling 80%
- Walls 50%
- Floor 20%
- Calculation Level - 0"



Plan View  
Scale 1" = 40'





VA TUCSON  
New SW Parking Lot Lighting  
100W, CMH, 30ft. Poles

Designer  
GLHN  
Date  
February 2014  
Scale  
As Noted  
Drawing No.  
N/A

5.1.12b

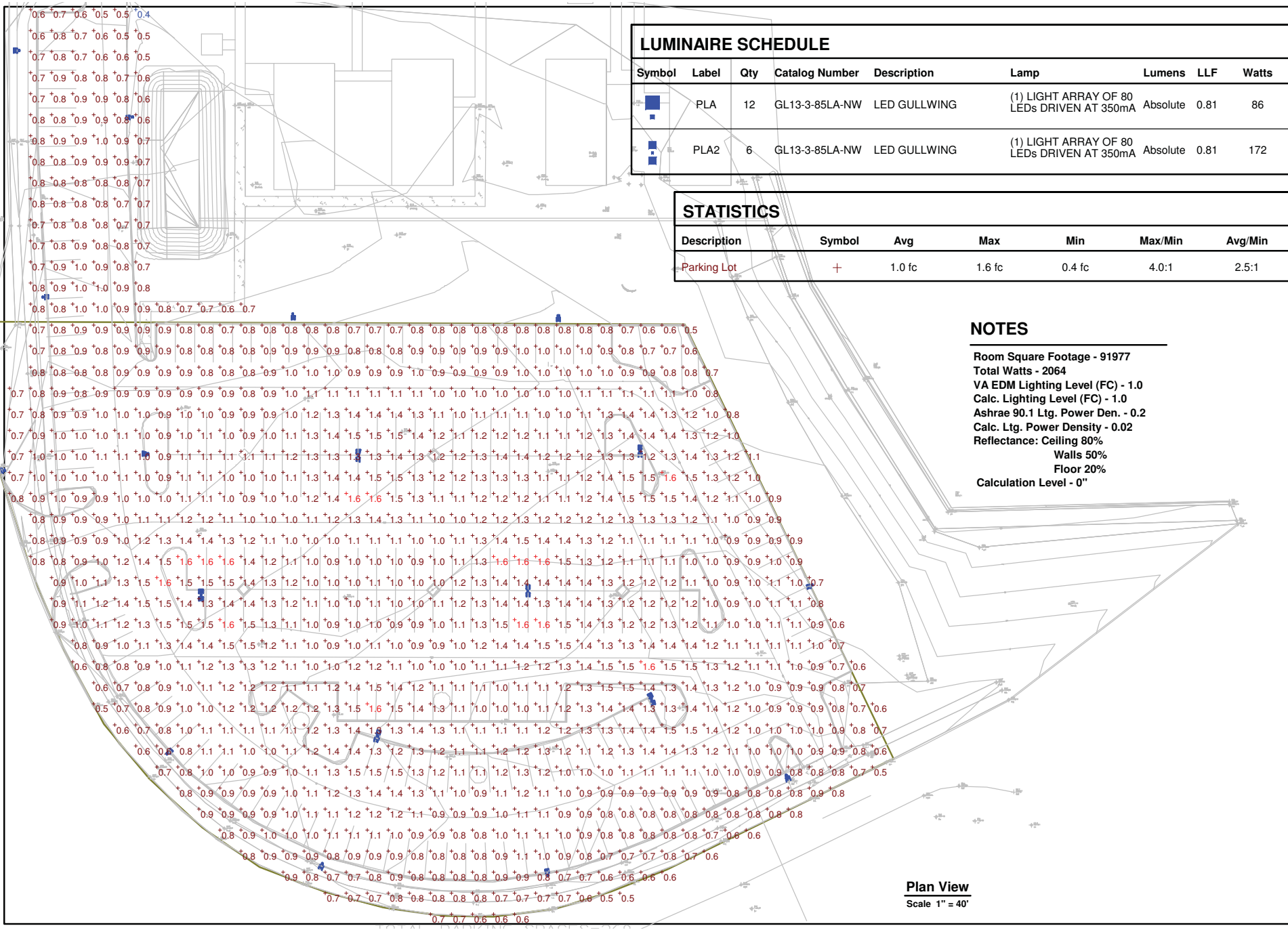
LUMINAIRE SCHEDULE								
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	PLA	12	GL13-3-85LA-NW	LED GULLWING	(1) LIGHT ARRAY OF 80 LEDs DRIVEN AT 350mA	Absolute	0.81	86
	PLA2	6	GL13-3-85LA-NW	LED GULLWING	(1) LIGHT ARRAY OF 80 LEDs DRIVEN AT 350mA	Absolute	0.81	172

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking Lot	+	1.0 fc	1.6 fc	0.4 fc	4.0:1	2.5:1

**NOTES**

Room Square Footage - 91977  
 Total Watts - 2064  
 VA EDM Lighting Level (FC) - 1.0  
 Calc. Lighting Level (FC) - 1.0  
 Ashrae 90.1 Ltg. Power Den. - 0.2  
 Calc. Ltg. Power Density - 0.02  
 Reflectance: Ceiling 80%  
                   Walls 50%  
                   Floor 20%  
 Calculation Level - 0"

Plan View  
Scale 1" = 40'



## LUMINAIRE SCHEDULE

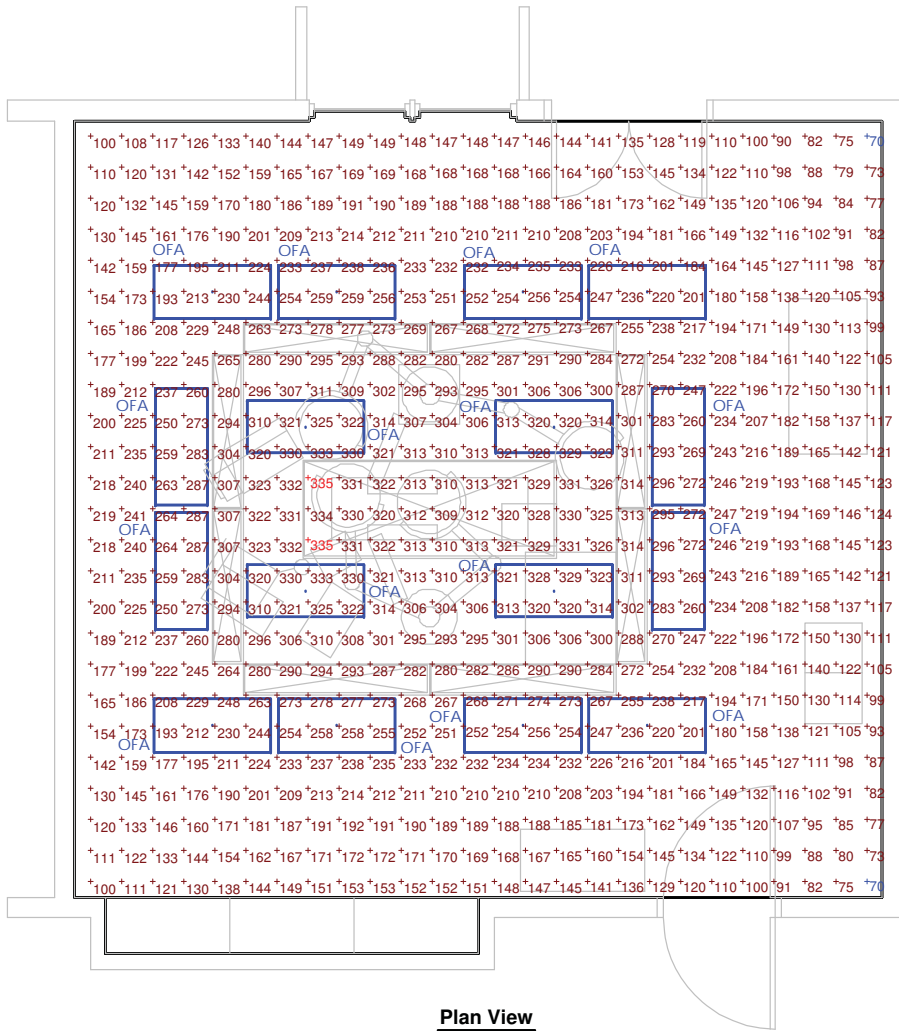
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
□	OFA	16	HST124	PHILIPS 2X4 SEALED SUPPLEMENTAL SURGICAL LUMINAIRE	SIX 32 WATT T8 LINEAR FLUORESCENT LAMPS RATED AT 2850 LUMENS EACH.	2900	0.86	199

## STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
GENERAL OPERATING ROOM	+	214 fc	335 fc	70 fc	4.8:1	3.1:1

## NOTES

- Room Square Footage - 650
- Total Watts - 3184
- VA EDM Lighting Level (FC) - 200
- Calc. Lighting Level (FC) - 213.7
- VA EDM Ltg Power Den. - 6
- Ashrae 90.1 Ltg. Power Den. - 2.2
- Calc. Ltg. Power Density - 4.9
- Reflectance - 80% (Ceiling)
- 50% (Wall)
- 20% (Floor)
- Work Plane Height - 3'-0"



**Plan View**  
Scale 1" = 4'

Calculated values include direct and interreflected components.



**Surgical Service**  
 (Design Guide)  
 General Operating Room  
 (Guide Plate 4-1g)

**Designer**  
GLHN

**Date**  
February 2014

**Scale**  
As Noted

**Drawing No.**  
SSDG Sec. 4-1g

**5.1.13a**



### LUMINAIRE SCHEDULE

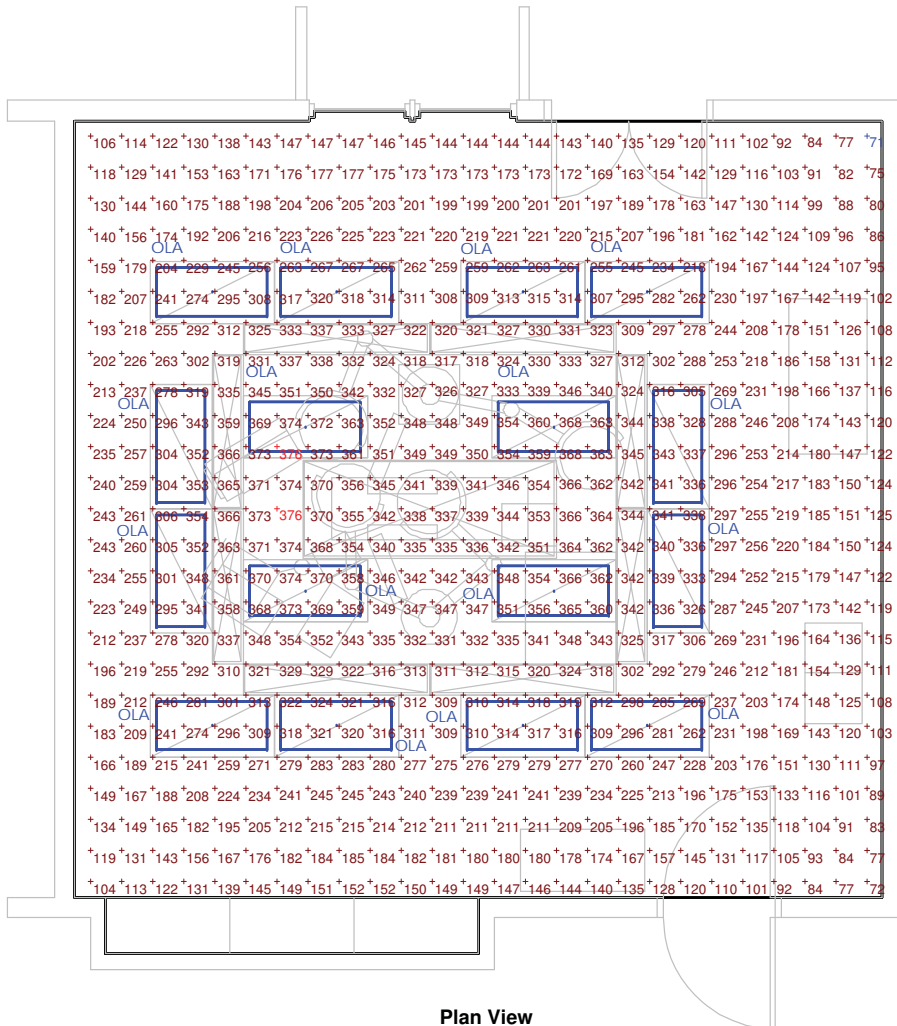
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	OLA	16	ORM-G-24-4-LD3-4/STD-8-35-UNV-ASY/SYM/RFI-ED	FAILSAFE ORM 2X4 LED FIXTURE	LG LINEAR LED BOARD 3500K	Absolute	0.81	154.6

### STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
GENERAL OPERATING ROOM	+	243 fc	376 fc	71 fc	5.3:1	3.4:1

### NOTES

- Room Square Footage - 650
- Total Watts - 2474
- VA EDM Lighting Level (FC) - 200
- Calc. Lighting Level (FC) - 242.9
- VA EDM Ltg Power Den. - 6
- Ashrae 90.1 Ltg. Power Den. - 2.2
- Calc. Ltg. Power Density - 3.8
- Reflectance - 80% (Ceiling)
- 50% (Wall)
- 20% (Floor)
- Work Plane Height - 3'-0"



**Plan View**  
Scale 1" = 4'

**Surgical Service**  
 (Design Guide)  
 General Operating Room  
 (Guide Plate 4-1g)

**Designer**  
 GLHN  
**Date**  
 February 2014  
**Scale**  
 As Noted  
**Drawing No.**  
 SSDG Sec. 4-1g

**5.1.13b**

Calculated values include direct and interreflected components.



### LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	SFA	20	2SP8 2 32 A12125	SPECIFICATION PREMIUM T8 TROFFER, 2'X4', WITH TWO LAMPS AND 0.125" THICK #A12 ACRYLIC LENS	TWO 32-WATT T8 LINEAR FLUORESCENT	2900	0.86	58

### STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Double Module Laboratory	+	151 fc	226 fc	47 fc	4.8:1	3.2:1

### NOTES

- Room Square Footage - 615
- Total Watts - 1160
- VA EDM Lighting Level (FC) - 150
- Calc. Lighting Level (FC) - 148.2
- VA EDM Ltg Power Den. - 1.4
- Calc. Ltg. Power Density - 1.88
- Reflectance - 80% (Ceiling)
- 50% (Wall)
- 20% (Floor)
- Work Plane Height - 3'-0"



**Plan View**  
Scale 1" = 4'

**Research Laboratory**  
 (Design Guide)  
 Double Module Laboratory  
 (Guide Plate 4-3)

**Designer**  
 GLHN  


---

**Date**  
 February 2014  


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**Scale**  
 As Noted  


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**Drawing No.**  
 RLDG Sec. 4-3

5.1.14a



### LUMINAIRE SCHEDULE

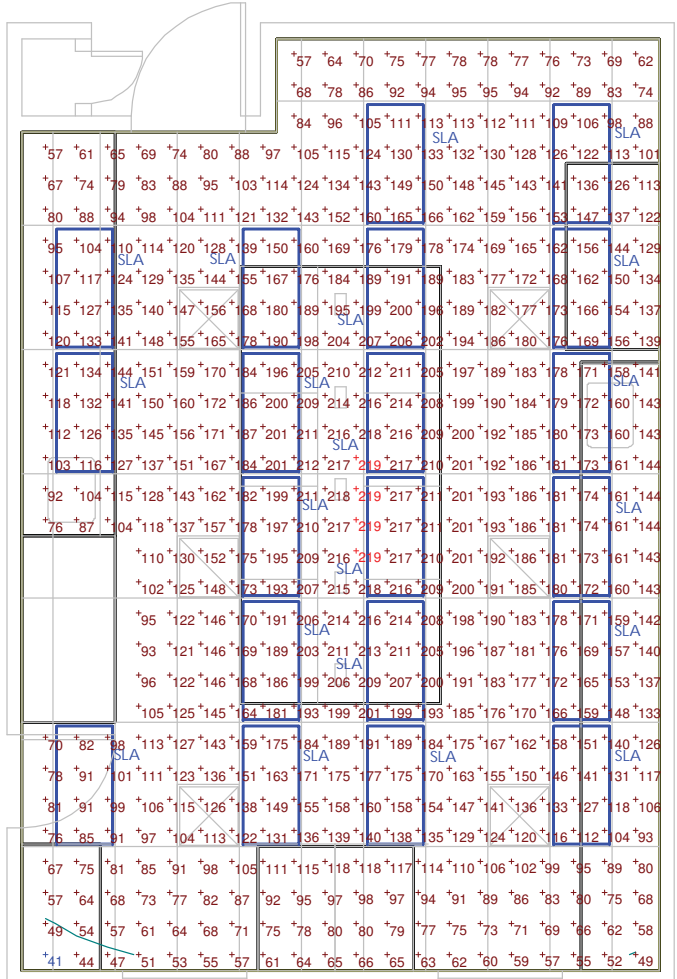
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	SLA	20	2TL4 46L RW A19 D50 LP835	LED AMBIENT TROFFER, 2'X4', WITH 4600 NOMINAL LUMENS, REGRESSED WHITE DOOR FRAME, 0.156" THICK #19 ACRLYIC LENS, AND 3500K LEDS	ONE 49.6-WATT LED	Absolute	0.84	49.6

### STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Double Module Laboratory	+	141 fc	219 fc	41 fc	5.3:1	3.4:1

### NOTES

- Room Square Footage - 615
- Total Watts - 800
- VA EDM Lighting Level (FC) - 150
- Calc. Lighting Level (FC) - 140.9
- VA EDM Ltg Power Den. - 1.4
- Calc. Ltg. Power Density - 1.7
- Reflectance - 80% (Ceiling)
- 50% (Wall)
- 20% (Floor)
- Work Plane Height - 3'-0"



**Plan View**

Scale 1" = 4'

Calculated values include direct and interreflected components.

**Research Laboratory**  
 (Design Guide)  
 Double Module Laboratory  
 (Guide Plate 4-3)

**Designer**  
 GLHN  
**Date**  
 February 2014  
**Scale**  
 As Noted  
**Drawing No.**  
 RLDG Sec 4-3

**5.1.14b**



### LUMINAIRE SCHEDULE

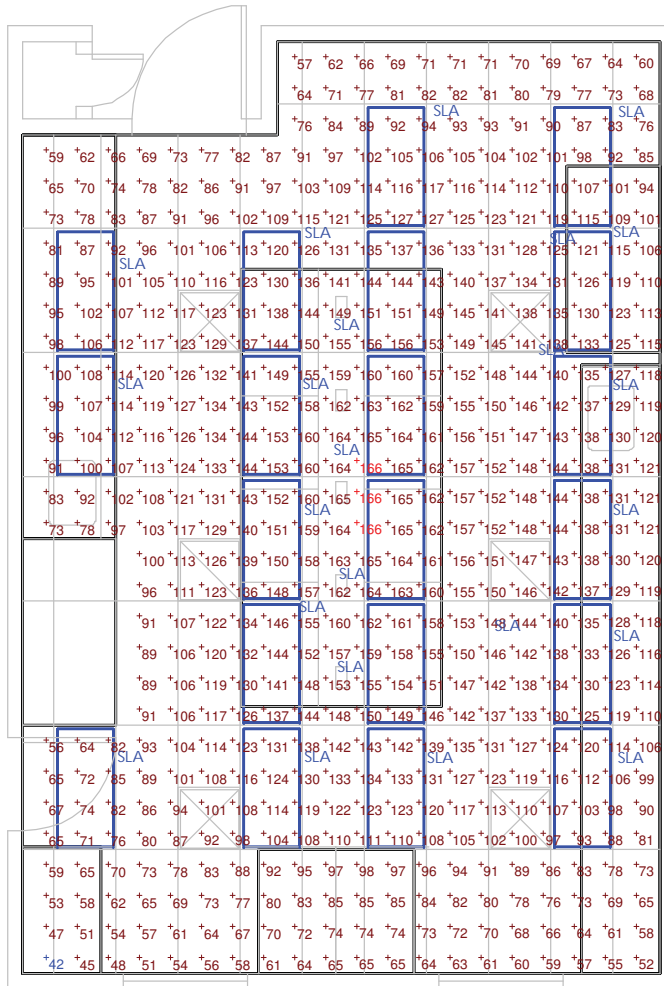
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
□	SLA	20	2CLG41L835-4-D-UNV	2X4 TROFFER	LED, LUMINAIRE OUTPUT = 4085 LUMENS	Absolute	0.84	40

### STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Double Module Laboratory	+	113 fc	166 fc	42 fc	4.0:1	2.7:1

### NOTES

- Room Square Footage - 615
- Total Watts - 800
- VA EDM Lighting Level (FC) - 150
- Calc. Lighting Level (FC) - 113.5
- VA EDM Ltg Power Den. - 1.4
- Calc. Ltg. Power Density - 1.3
- Reflectance - 80% (Ceiling)
- 50% (Wall)
- 20% (Floor)
- Work Plane Height - 3'-0"



**Plan View**  
Scale 1" = 4'

**Research Laboratory**  
 (Design Guide)  
 Double Module Laboratory  
 (Guide Plate 4-3)

**Designer**  
 GLHN  


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**Date**  
 February 2014  


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**Scale**  
 As Noted  


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**Drawing No.**  
 RLDG Sec. 4-3

**5.1.14c**

Calculated values include direct and interreflected components.