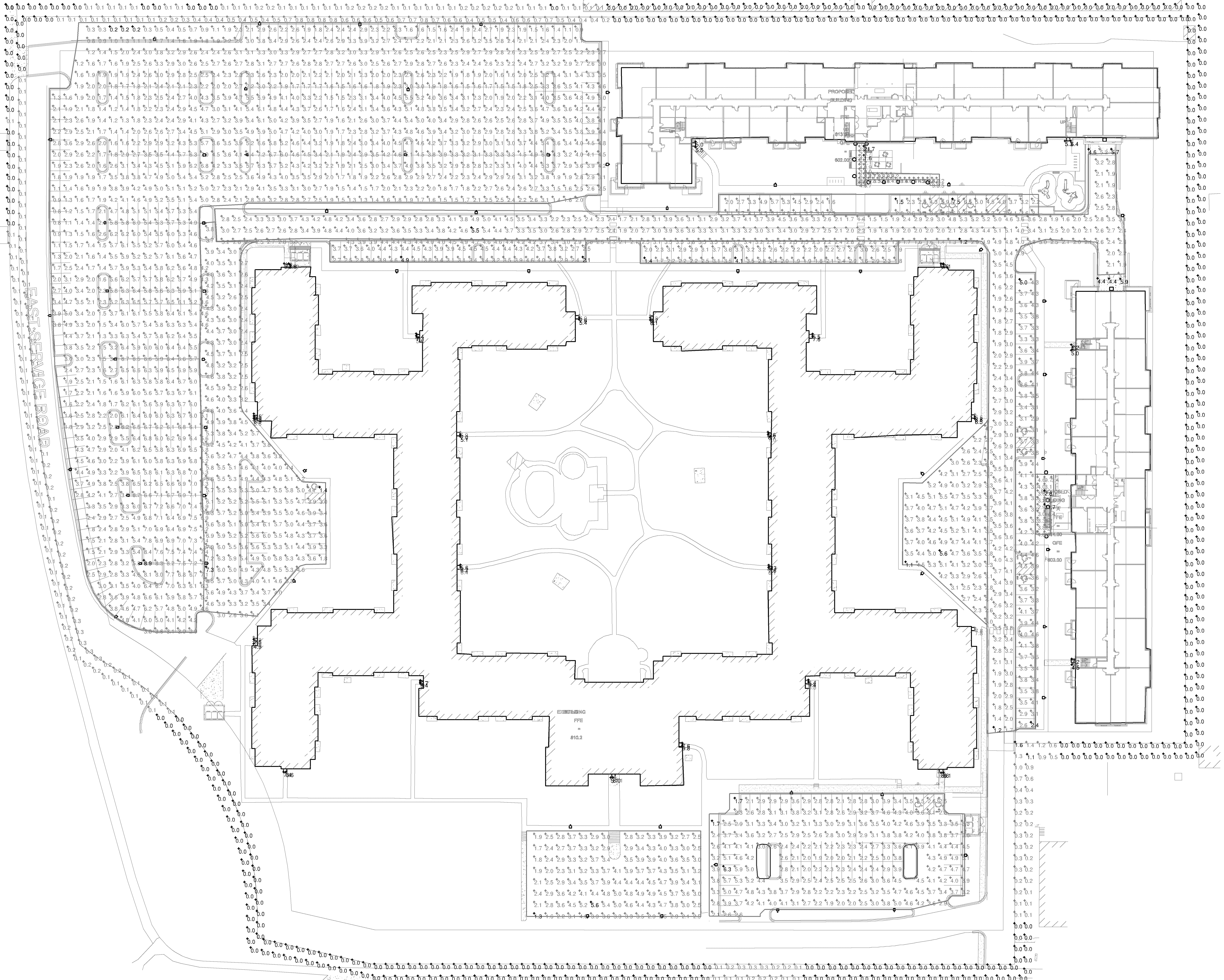


CASE #PL2020-69



EAST 86TH STREET
Plan View
Scale: 1" = 40'

LIGHTING PLAN APPROVED
CITY OF BLOOMINGTON
NMJ
06/17/2020

1
SITE INITIAL
PHOTOMETRIC PLAN
1" = 40'-0"

NOT FOR CONSTRUCTION - FOR REFERENCE ONLY 6/17/2020

URBANWORKS
Solo APARTMENTS
1916, 1926 E 86th St, Bloomington, MN 55425

CONSULTANT
STEEN
ENGINEERING
763-585-6742
763-585-4757 fax
Email: steen@steeneng.com
5430 Douglas Drive North
Minneapolis, MN 55429

PRELIMINARY
NOT FOR CONSTRUCTION

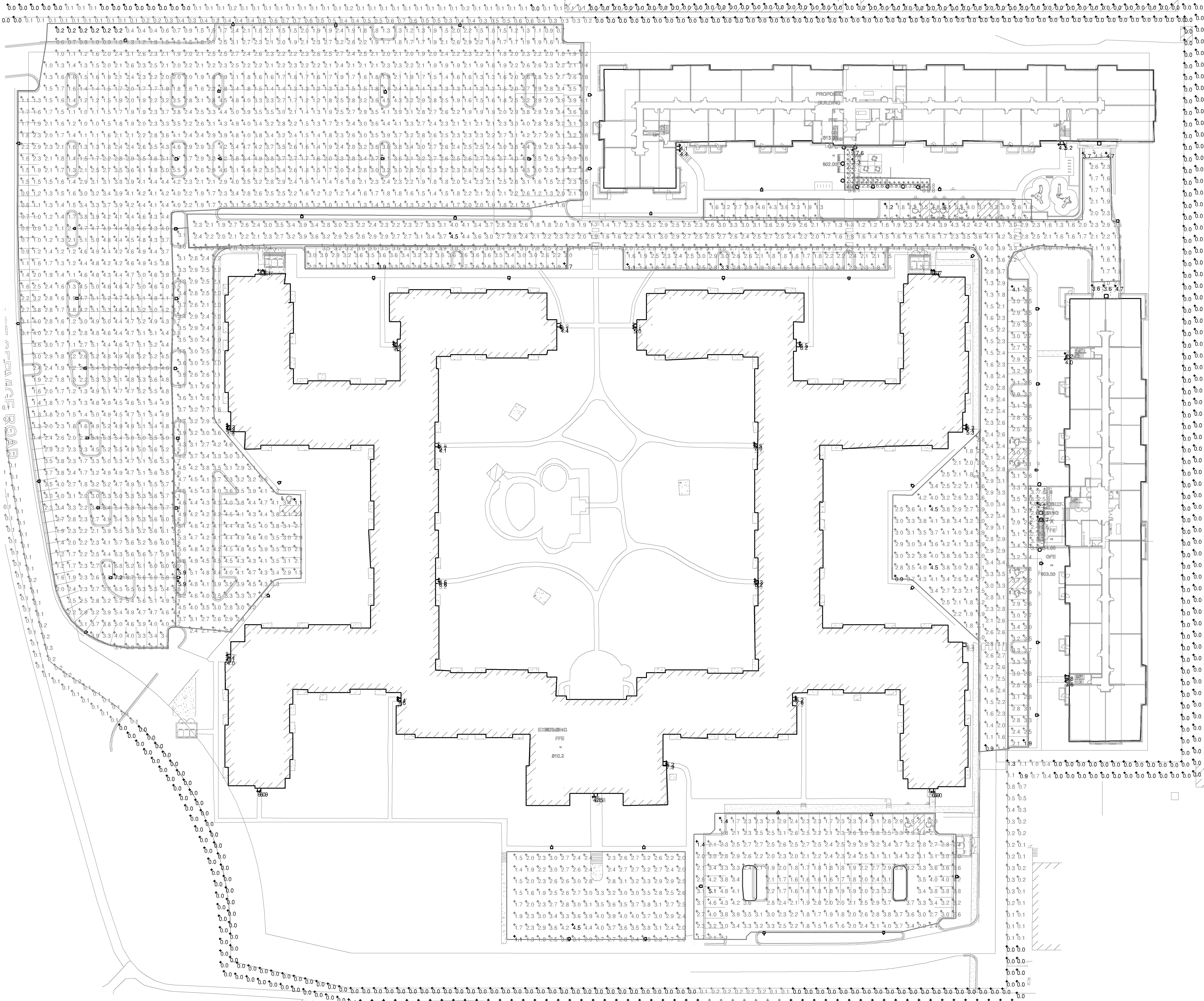
REVISIONS

DATE PROJECT # PHASE DRAWN BY CHECKED BY
UWA202001 PHASE JM JM

SITE
PHOTOMETRIC
PLAN

E101

CASE #PL2020-69



EAST 86TH STREET
Plan View
Scale - 1" = 40ft

LIGHTING PLAN APPROVED

 CITY OF
BLOOMINGTON
MINNESOTA

 NMJ
06/17/2020

**SITE MAINTAINED
PHOTOMETRIC PLAN**
1" = 40'-0"

URBANWORKS

© URBANWORKS REAL ESTATE LLC 2019
901 NORTH THIRD STREET, SUITE 100, MINNEAPOLIS, MN 55401

1916, 1926 E 68th St, Bloomington, MN 55425

Solo APARTMENTS

CONSULTANT

STEEN
ENGINEERING

763-585-6742
763-585-6757 fax
Email: steen@steeneng.com

5430 Douglas Drive North
Minneapolis, MN 55429

PRELIMINARY

NOT FOR
CONSTRUCTION

REVISIONS

DATE **/**/****
PROJECT # UWA202001
PHASE PHASE
DRAWN BY JM
CHECKED BY JM

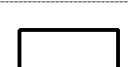
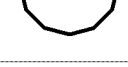
SITE PHOTOMETRIC PLAN

CASE #PL2020-69

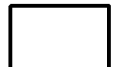
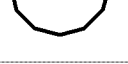
LIGHTING PLAN APPROVED



INITIAL FIXTURE SCHEDULE

Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Mounting Height
	CC	4	PRESCOLITE	LF6LEDG4 6LFLED7G430KFL35	6inch LiteFrame, Remote Phosphor 3000K, Narrow distribution	1 - Philips Fortimo LED DLM 2000 21W/830 UL Gen4	1	1867	1	26	10'
	DD	9	SPAULDING LIGHTING	TMR-12LU-3K-XX	ROUND LED BOLLARD w/ SPECULAR AMUMINUM HEAT-SINK	12 - NICHIA LEDs	1	966	1	29.6	3'
	EE	24	HUBBELL OUTDOOR	LNC2-12LU-4K-4	LNC2, 12 LED, 4000K, TYPE 4	12- NICHIA 4K LEDS	1	2711	1	28.3	7'
	EE1	2	HUBBELL OUTDOOR	LNC2-18LU-4K-4	LNC2, 18 LED, 4000K, TYPE 4	18- NICHIA 4K LEDS	1	3997	1	44.8	10'
	FF	0	WAC LIGHTING	DS-WE05-S35S-WT	Surface-mounted Luminaires		1	2348	1	24.6797	7'
	AA	3	Beacon Products	VP-L-80L-180-4K7-2-BC	LARGE VIPER	X-70-CRI	1	13708	1	181.3	
	AA1	30	Beacon Products	VP-L-80L-180-4K7-3-BC	LARGE VIPER	X-70-CRI	1	13107	1	181.3	
	AA2	19	Beacon Products	VP-L-80L-180-4K7-4	LARGE VIPER	X-70-CRI DATA SHOWN IS ABSOLUTE	1	22168	1	181.3	
	AA3	7	Beacon Products	VP-L-80L-180-4K7-5W	LARGE VIPER	X-70-CRI DATA SHOWN IS ABSOLUTE	1	21688	1	181.3	

MAINTAINED FIXTURE SCHEDULE

Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Mounting Height
	CC	4	PRESCOLITE	LF6LEDG4 6LFLED7G430KFL35	6inch LiteFrame, Remote Phosphor 3000K, Narrow distribution	1 - Philips Fortimo LED DLM 2000 21W/830 UL Gen4	1	1867	0.81	26	10'
	DD	9	SPAULDING LIGHTING	TMR-12LU-3K-XX	ROUND LED BOLLARD w/ SPECULAR ALUMINUM HEAT-SINK	12 - NICHIA LEDs	1	966	0.81	29.6	3'
	EE	24	HUBBELL OUTDOOR	LNC2-12LU-4K-4	LNC2, 12 LED, 4000K, TYPE 4	12- NICHIA 4K LEDS	1	2711	0.81	28.3	7"
	EE1	2	HUBBELL OUTDOOR	LNC2-18LU-4K-4	LNC2, 18 LED, 4000K, TYPE 4	18- NICHIA 4K LEDS	1	3997	0.81	44.8	10'
	FF	0	WAC LIGHTING	DS-WE05-S35S-WT	Surface-mounted Luminaires		1	2348	0.81	24.6797	7"
	AA	3	Beacon Products	VP-L-80L-180-4K7-2-BC	LARGE VIPER	X-70-CRI	1	13708	0.81	181.3	
	AA1	30	Beacon Products	VP-L-80L-180-4K7-3-BC	LARGE VIPER	X-70-CRI	1	13107	0.81	181.3	
	AA2	19	Beacon Products	VP-L-80L-180-4K7-4	LARGE VIPER	X-70-CRI DATA SHOWN IS ABSOLUTE	1	22168	0.81	181.3	
	AA3	7	Beacon Products	VP-L-80L-180-4K7-5W	LARGE VIPER	X-70-CRI DATA SHOWN IS ABSOLUTE	1	21688	0.81	181.3	

INITIAL STATISTICS

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
10' Beyond Property Line	+	0.0 fc	1.1 fc	0.0 fc	N/A	N/A
Building A Entrance	+	7.1 fc	31.7 fc	2.8 fc	11.3:1	2.5:1
Building A Garage Door	+	4.9 fc	5.9 fc	4.4 fc	1.3:1	1.1:1
Building A Parking	+	3.7 fc	5.0 fc	2.4 fc	2.1:1	1.5:1
Building A Side Door A (3')	+	5.1 fc	5.2 fc	5.0 fc	1.0:1	1.0:1
Building A Side Door B (3')	+	5.8 fc	7.2 fc	4.5 fc	1.6:1	1.3:1
Building B Entrance	+	5.8 fc	21.7 fc	1.6 fc	13.6:1	3.6:1
Building B Garage Door	+	5.2 fc	5.7 fc	4.6 fc	1.2:1	1.1:1
Building B Parking	+	4.0 fc	7.5 fc	1.5 fc	5.0:1	2.7:1
Building B Side Door A (3')	+	5.3 fc	5.5 fc	5.0 fc	1.1:1	1.1:1
Building B Side Door B (3')	+	5.9 fc	6.4 fc	5.3 fc	1.2:1	1.1:1
Existing Building East Parking	+	3.7 fc	5.6 fc	1.1 fc	5.1:1	3.4:1
Existing Building Entrance (3')	+	6.2 fc	7.5 fc	4.9 fc	1.5:1	1.3:1
Existing Building Entrance (3')	+	8.0 fc	9.4 fc	6.7 fc	1.4:1	1.2:1
Existing Building Entrance (3')	+	8.7 fc	9.8 fc	7.6 fc	1.3:1	1.1:1
Existing Building Entrance (3')	+	7.0 fc	8.6 fc	6.1 fc	1.4:1	1.1:1
Existing Building Entrance (3')	+	6.3 fc	7.6 fc	5.3 fc	1.4:1	1.2:1
Existing Building Entrance (3')	+	7.3 fc	8.8 fc	6.5 fc	1.4:1	1.1:1
Existing Building Entrance (3')	+	6.5 fc	7.6 fc	5.5 fc	1.4:1	1.2:1
Existing Building Entrance (3')	+	7.0 fc	8.7 fc	6.1 fc	1.4:1	1.1:1
Existing Building Entrance (3')	+	6.8 fc	7.1 fc	6.6 fc	1.1:1	1.0:1
Existing Building Entrance (3')	+	7.1 fc	8.7 fc	5.6 fc	1.6:1	1.3:1
Existing Building Entrance (3')	+	7.8 fc	7.8 fc	7.8 fc	1.0:1	1.0:1
Existing Building Entrance (3')	+	7.4 fc	9.4 fc	6.4 fc	1.5:1	1.2:1
Existing Building Entrance (3')	+	6.7 fc	8.0 fc	5.1 fc	1.6:1	1.3:1
Existing Building Entrance (3')	+	8.0 fc	8.6 fc	7.4 fc	1.2:1	1.1:1
Existing Building Entrance (3')	+	6.7 fc	8.2 fc	5.6 fc	1.5:1	1.2:1
Existing Building Entrance (3')	+	7.7 fc	8.9 fc	6.5 fc	1.4:1	1.2:1
Existing Building Entrance (3')	+	6.0 fc	7.0 fc	5.1 fc	1.4:1	1.2:1
Existing Building Entrance (3')	+	6.3 fc	7.6 fc	5.4 fc	1.4:1	1.2:1
Existing Building Entrance (3')	+	6.2 fc	7.3 fc	5.4 fc	1.4:1	1.1:1
Existing Building Entrance (3')	+	7.1 fc	8.8 fc	5.7 fc	1.5:1	1.2:1
Existing Building Parking	+	3.7 fc	4.9 fc	2.1 fc	2.3:1	1.8:1
Existing Building Parking	+	2.6 fc	4.1 fc	1.4 fc	2.9:1	1.9:1
Existing Building South Parking	+	3.4 fc	5.6 fc	1.3 fc	4.3:1	2.6:1
Existing Building West Parking	+	4.4 fc	7.3 fc	1.4 fc	5.2:1	3.1:1
Main Parking	+	3.6 fc	8.9 fc	0.2 fc	44.5:1	18.0:1
Property Line	+	0.1 fc	1.6 fc	0.0 fc	N/A	N/A
Roadway	+	3.1 fc	5.5 fc	1.2 fc	4.6:1	2.6:1
South Parking	+	3.3 fc	6.3 fc	1.7 fc	3.7:1	1.9:1

MAINTAINED STATISTICS

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
10' Beyond Property Line	+	0.0 fc	0.9 fc	0.0 fc	N/A	N/A
Building A Entrance	+	5.7 fc	25.7 fc	2.2 fc	11.7:1	2.6:1
Building A Garage Door	+	4.0 fc	4.7 fc	3.6 fc	1.3:1	1.1:1
Building A Parking	+	3.0 fc	4.1 fc	1.9 fc	2.2:1	1.6:1
Building A Side Door A (3')	+	4.1 fc	4.2 fc	4.0 fc	1.1:1	1.0:1
Building A Side Door B (3')	+	4.7 fc	5.8 fc	3.6 fc	1.6:1	1.3:1
Building B Entrance	+	4.7 fc	17.6 fc	1.3 fc	13.5:1	3.6:1
Building B Garage Door	+	4.2 fc	4.7 fc	3.7 fc	1.3:1	1.1:1
Building B Parking	+	3.2 fc	6.1 fc	1.2 fc	5.1:1	2.7:1
Building B Side Door A (3')	+	4.3 fc	4.4 fc	4.1 fc	1.1:1	1.0:1
Building B Side Door B (3')	+	4.8 fc	5.2 fc	4.3 fc	1.2:1	1.1:1
Existing Building East Parking	+	3.0 fc	4.5 fc	0.9 fc	5.0:1	3.3:1
Existing Building Entrance (3')	+	5.0 fc	6.1 fc	4.0 fc	1.5:1	1.3:1
Existing Building Entrance (3')	+	6.5 fc	7.6 fc	5.4 fc	1.4:1	1.2:1
Existing Building Entrance (3')	+	7.0 fc	7.9 fc	6.2 fc	1.3:1	1.1:1
Existing Building Entrance (3')	+	5.7 fc	6.9 fc	5.0 fc	1.4:1	1.1:1
Existing Building Entrance (3')	+	5.2 fc	6.2 fc	4.3 fc	1.4:1	1.2:1
Existing Building Entrance (3')	+	5.9 fc	7.1 fc	5.3 fc	1.3:1	1.1:1
Existing Building Entrance (3')	+	5.3 fc	6.2 fc	4.5 fc	1.4:1	1.2:1
Existing Building Entrance (3')	+	5.7 fc	7.1 fc	5.0 fc	1.4:1	1.1:1
Existing Building Entrance (3')	+	5.5 fc	5.7 fc	5.3 fc	1.1:1	1.0:1
Existing Building Entrance (3')	+	5.7 fc	7.0 fc	4.5 fc	1.6:1	1.3:1
Existing Building Entrance (3')	+	6.3 fc	6.3 fc	6.3 fc	1.0:1	1.0:1
Existing Building Entrance (3')	+	6.0 fc	7.6 fc	5.2 fc	1.5:1	1.2:1
Existing Building Entrance (3')	+	5.5 fc	6.5 fc	4.1 fc	1.6:1	1.3:1
Existing Building Entrance (3')	+	6.5 fc	6.9 fc	6.0 fc	1.2:1	1.1:1
Existing Building Entrance (3')	+	5.5 fc	6.6 fc	4.6 fc	1.4:1	1.2:1
Existing Building Entrance (3')	+	6.3 fc	7.2 fc	5.3 fc	1.4:1	1.2:1
Existing Building Entrance (3')	+	4.9 fc	5.7 fc	4.1 fc	1.4:1	1.2:1
Existing Building Entrance (3')	+	5.1 fc	6.1 fc	4.4 fc	1.4:1	1.2:1
Existing Building Entrance (3')	+	5.0 fc	5.9 fc	4.4 fc	1.3:1	1.1:1
Existing Building Entrance (3')	+	5.7 fc	7.1 fc	4.6 fc	1.5:1	1.2:1
Existing Building Parking	+	3.0 fc	3.9 fc	1.7 fc	2.3:1	1.8:1
Existing Building Parking	+	2.1 fc	3.3 fc	1.1 fc	3.0:1	1.9:1
Existing Building South Parking	+	2.8 fc	4.5 fc	1.1 fc	4.1:1	2.5:1
Existing Building West Parking	+	3.6 fc	5.9 fc	1.1 fc	5.4:1	3.3:1
Main Parking	+	2.9 fc	7.2 fc	0.2 fc	36.0:1	14.5:1
Property Line	+	0.1 fc	1.3 fc	0.0 fc	N/A	N/A
Roadway	+	2.5 fc	4.5 fc	0.9 fc	5.0:1	2.8:1
South Parking	+	2.7 fc	5.1 fc	1.4 fc	3.6:1	1.9:1

Solo APARTMENTS
1916, 1926 E 8th St, Bloomington, MN 55425

URBANWORKS

© URBANWORKS ARCHITECTURE LLC, 2019
5430 Douglas Drive North
Minneapolis, MN 55429

CONSULTANT

STEEN
ENGINEERING

763-585-6742
763-585-6757 fax
Email: steen@steeneng.com
5430 Douglas Drive North
Minneapolis, MN 55429

PRELIMINARY

NOT FOR
CONSTRUCTION

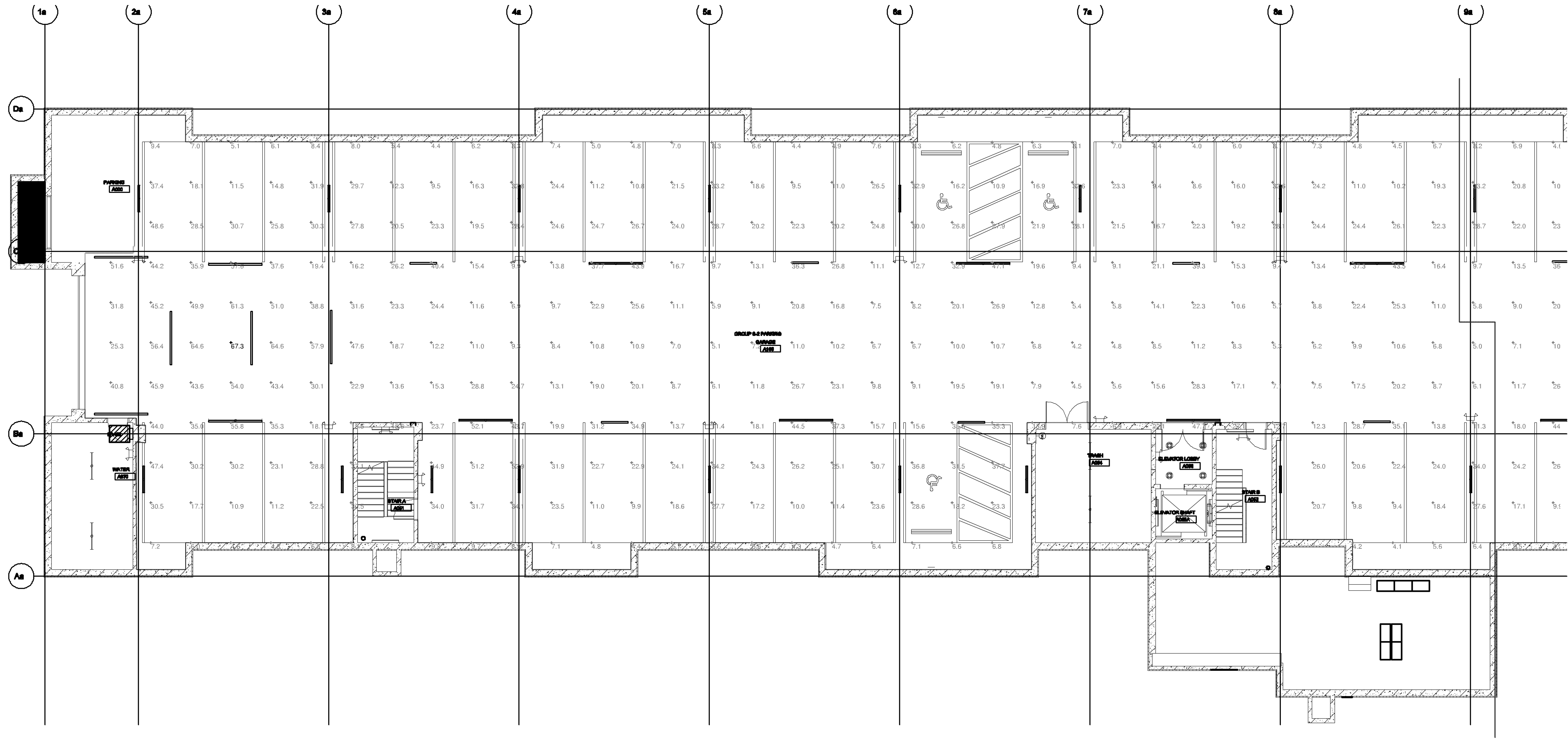
REVISIONS

DATE: 6/17/2020
PROJECT # UWA202001
PHASE PHASE
DRAWN BY JM
CHECKED BY JM

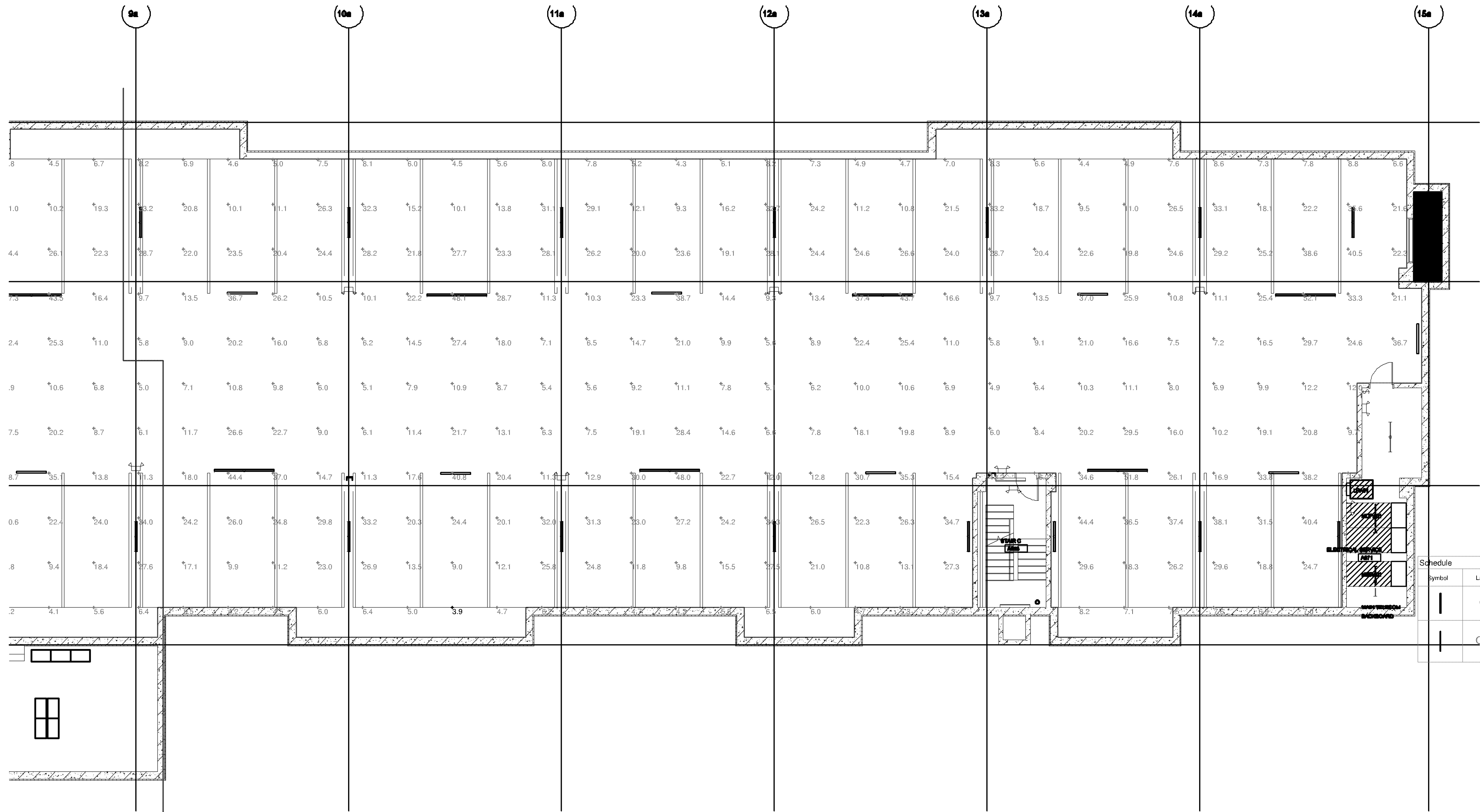
SITE
PHOTOMETRIC
PLAN

E103

NOT FOR CONSTRUCTION – FOR REFERENCE ONLY 6/17/2020



1. BUILDING A SUBLEVEL 1 AREA 1 PHOTOMETRIC PLAN - INITIAL
1/8" = 1'-0"



2. BUILDING A SUBLEVEL 1 AREA 2 PHOTOMETRIC PLAN - INITIAL
1/8" = 1'-0"

CASE #PL2020-69

LIGHTING PLAN APPROVED

CITY OF BLOOMINGTON NMJ
06/17/2020

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
Q		43	COLUMBIA LIGHTING	MPS4-3DUL-FW-EDU	Narrow LED, Surface Narrow Strip Light 4ft with frosted linear internal lens. Data Scaled from Test# 17.02946			MPS4-3DUL-FW-EDU	7812	1	66.9
Q1		19	COLUMBIA LIGHTING	MPS8-39LHE-FW-EDU	Multi-Purpose Linear, Surface Narrow Strip Light 8ft with frosted linear internal lens. Data Scaled from Test# 09165, 09166 Scaled from Test# 17.03020		1	Type Q1 les	10600	1	82

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Building A Group	+	18.0 fc	67.3 fc	3.9 fc	17.3:1	4.5:1

SOLO APARTMENTS

1918, 1926 E 8th St. Bloomington, MN 55405

URBANWORKS

© URBANWORKS ARCHITECTURE LLC, 2019
901 NORTH THIRD STREET, SUITE 145, MINNEAPOLIS, MN 55401

CONSULTANT

STEEN
ENGINEERING

763-585-6742
763-585-4757 fax
Email: steen@steeneng.com
5430 Douglas Drive North
Minneapolis, MN 55429

PRELIMINARY

NOT FOR
CONSTRUCTION

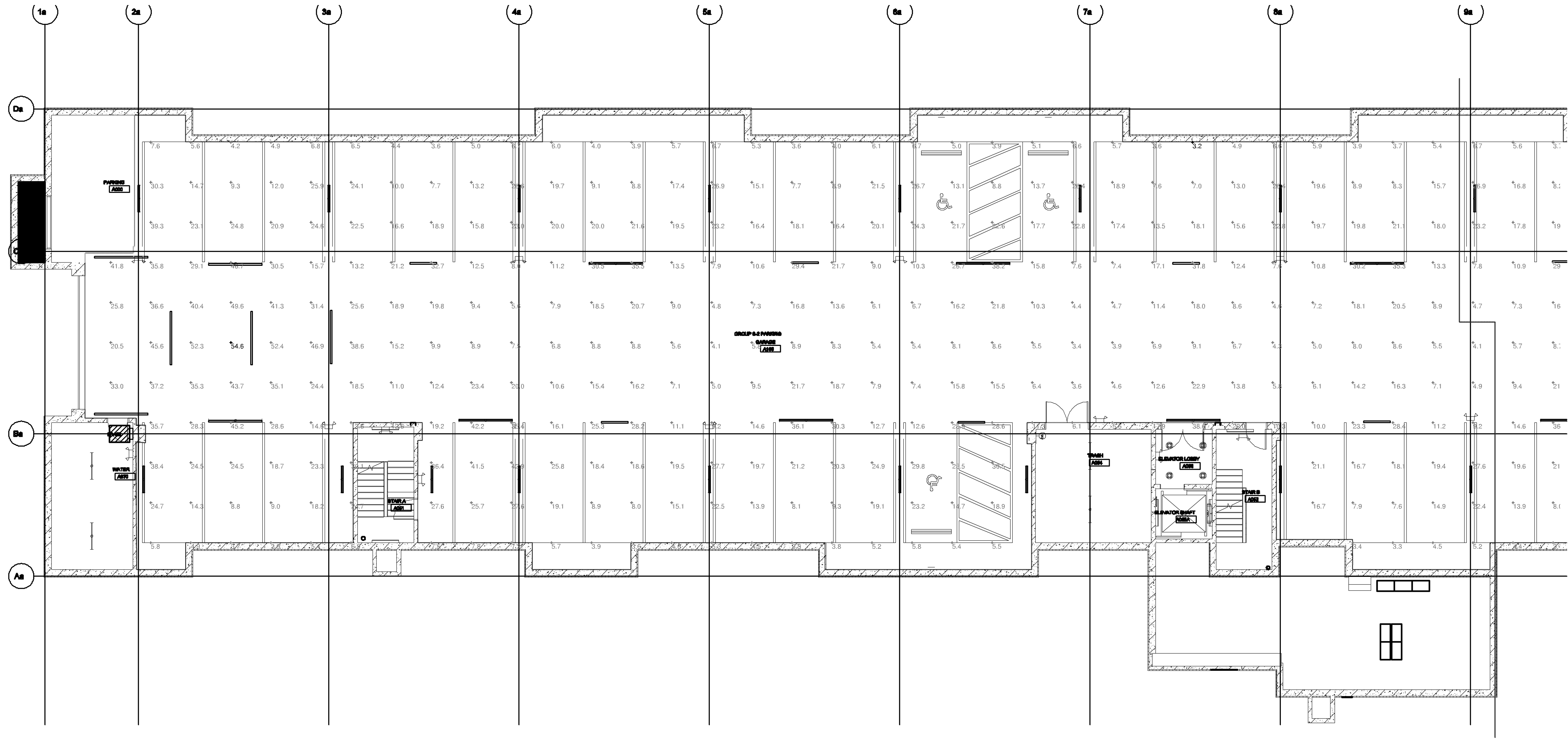
REVISIONS

DATE: 06/17/2020
PROJECT # UWA202001
PHASE PHASE
DRAWN BY JM
CHECKED BY JM

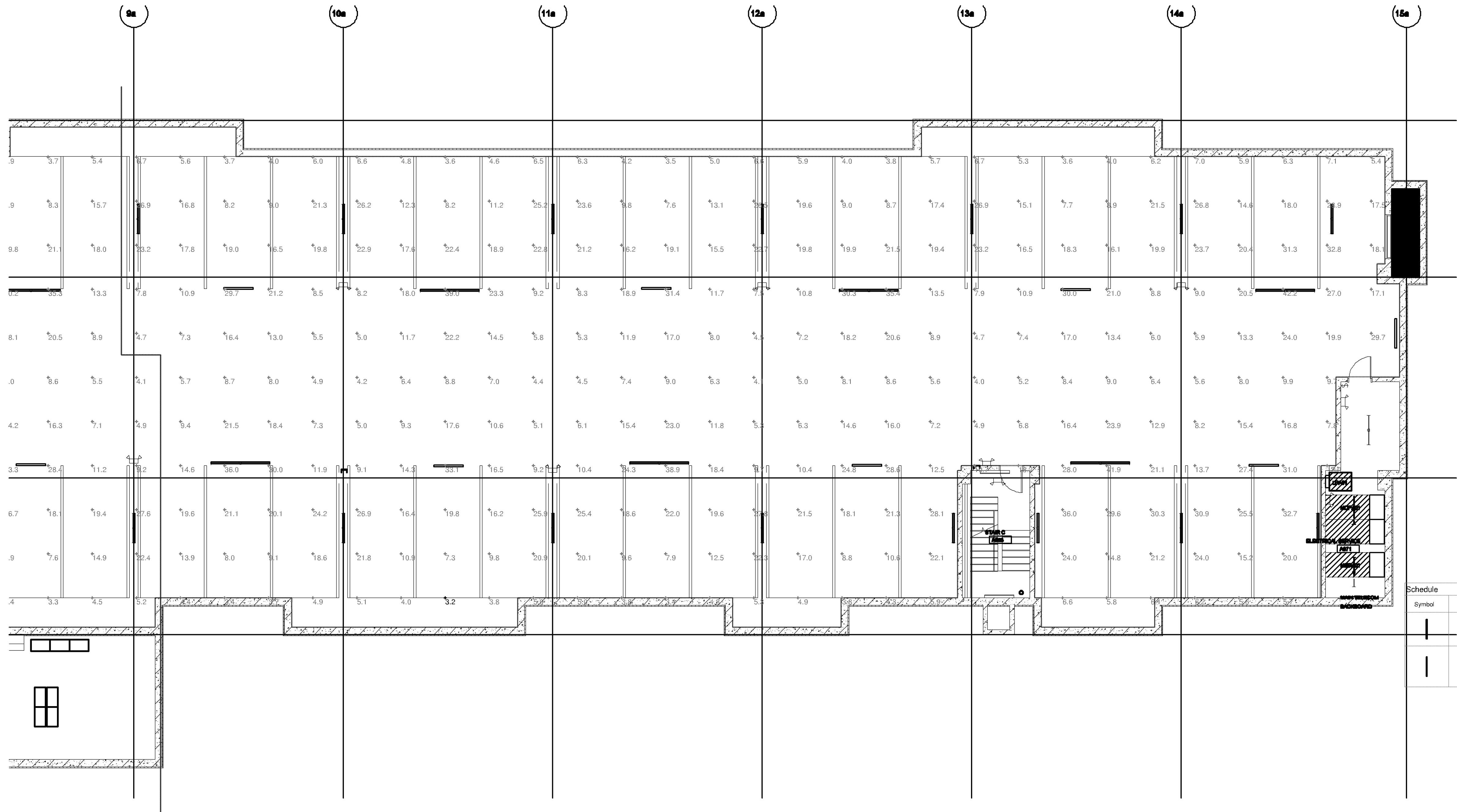
BUILDING A
GARAGE
PHOTOMETRICS -
INITIAL

E105

NOT FOR CONSTRUCTION - FOR REFERENCE ONLY 6/17/2020



1 BUILDING A SUBLEVEL 1 AREA 1 PHOTOMETRIC PLAN - MAINTAINED
1/8" = 1'-0"



2 BUILDING A SUBLEVEL 1 AREA 2 PHOTOMETRIC PLAN - MAINTAINED
1/8" = 1'-0"

CASE #PL2020-69

LIGHTING PLAN APPROVED
NMJ
06/17/2020

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Footcandle	Lumens Per Footcandle	Light Loss Factor	Wattage
Q		43	COLUMBIA LIGHTING	MPS4-35X-FW-EDU	Narrow LED, Surface Narrow Strip Light 4ft with frosted linear prismatic lens Data Scaled from Test 17-0304		1	MPS4-35X-FW-EDU	7812	0.81	66.9
Q1		19	COLUMBIA LIGHTING	MPS9-35HLE-FW-EDU	MultiPurpose Linear, Surface Narrow Strip Light 6ft with frosted linear prismatic lens Data Scaled from Test 17-0303		1	Type Q1	10900	0.81	82

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Building A Garage	+	15.4 fc	54.6 fc	3.2 fc	17.1:1	4.8:1

Solo APARTMENTS
1918, 1926 E 8th St. Bloomington, MN 55425

URBANWORKS

CONSULTANT
STEEN
ENGINEERING
763-585-6742
763-585-6757 fax
Email: steen@steeneng.com
5430 Douglas Drive North
Minneapolis, MN 55429

PRELIMINARY
NOT FOR CONSTRUCTION

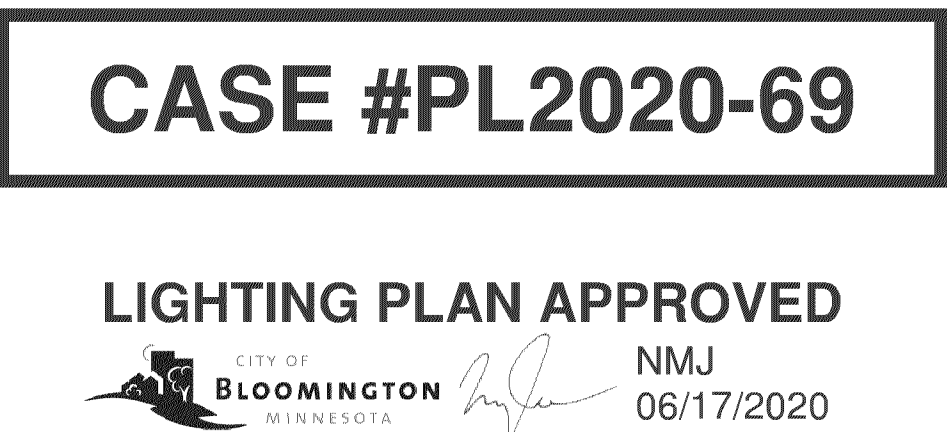
REVISIONS

DATE PROJECT # UWA202001
PHASE PHASE
DRAWN BY JM
CHECKED BY JM

BUILDING A
GARAGE
PHOTOMETRICS -
MAINTAINED

E106

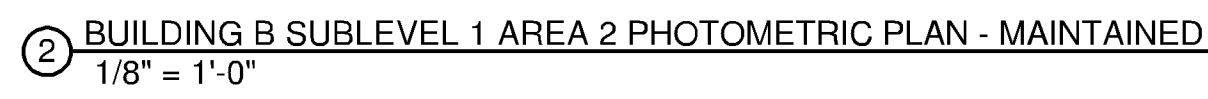
NOT FOR CONSTRUCTION - FOR REFERENCE ONLY 6/17/2020



Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
1	Q	63	COLUMBIA LIGHTING	MP84-35XL-FW-EDU	Narrow LED, Surface Narrow Strip Light 4x with frosted linear primed lens Data Scaled from Test# 17.02546		1	MP84-35XL-FW-EDU.xls	7912	0.81	66.9
	Q1	21	COLUMBIA LIGHTING	MP89-39LHE-FW-EDU	MultiPurpose Linear, Surface Narrow Strip Light 6x with frosted linear primed lens Data Scaled from Test# 20103, Data Scaled from Test# 17.02020		1	Type Q1.xls	10600	0.81	82

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Building B Garage		15.5 lc	48.5 fc	3.6 lc	13.5:1	4.3:1

① BUILDING B SUBLEVEL 1 AREA 1 PHOTOMETRIC PLAN - MAINTAINED
1/8" = 1'-0"



NOT FOR CONSTRUCTION - FOR REFERENCE ONLY 6/17/2020

SOLO APARTMENTS

1916, 1926 E 86th St, Bloomington, MN 55425

© URBANWORKS ARCHITECTURE LLC, 2019

© URBANWORKS ARCHITECTURE LLC, 2019

URBANWORKS

CONSULTANT

STEEN
ENGINEERING

763-585-6742
763-585-6757 fax
Email: steen@steeneng.com
5430 Douglas Drive North
Minneapolis, MN 55429

PRELIMINARY

NOT FOR
CONSTRUCTION

REVISIONS

DATE	##/##/####
PROJECT #	UWA202001
PHASE	PHASE
DRAWN BY	JM
CHECKED BY	JM

**BUILDING B
GARAGE
PHOTOMETRICS -
MAINTAINED**

E108

CASE #PL2020-69

LIGHTING PLAN APPROVED
CITY OF BLOOMINGTON, INDIANA
NMJ
06/17/2020

TYPE Q

Columbia
LIGHTING
MPS
MULTIPURPOSE LINEAR

FEATURES

- Uninterrupted ribbon of light, row mounting, not one
- Long-life 60,000-hour LEDs at LED for reduced maintenance
- Superior color consistency within a 3-step Macadam ellipse and greater than 80 CRI
- Available in 2', 4' or 8' lengths
- Optional integral emergency battery pack
- Three lens options as well as less lens (NL)
- Modular replaceable LED boards and driver accessible for future maintenance or upgrades
- Surface mount, wall mount or suspended



CONTROL TECHNOLOGY
SpectraSync™ NX INTELLIGENCE

SPECIFICATIONS

CONSTRUCTION

- Housing, wireway, and ends are formed from code-approved steel
- Housing components act as heat sink for LED heat dissipation
- White painted parts are treated with a five stage phosphate coating process and finished with high reflectance baked enamel

OPTICS

- Available with or without frosted acrylic lens

INSTALLATION

- Knockouts are provided for electrical access and mounting

ELECTRICAL

- Long-life LEDs are rated for 60,000 hours at LED lumen maintenance
- Driver options include field output for on/off function, step dimming, high/low off, or continuous 0-10V dimming
- Superior drivers are long-life LEDs provide quality, dimmable, 50,000-hour service life
- Drivers < 10W, T4-D at 120V, power factor > 0.95

CONTROLS

- Optional SpectraSync™ offers two modes of Tunable White solutions and integrates seamlessly into a variety of control systems
- NX Distributed Intelligence™ provides options for standalone or networked, integrated sensor with or without wireless connectivity for IoT system deployments

CERTIFICATIONS

- C label is standard for recessed products

WARRANTY

- 5-year warranty

KEY DATA

Lumen Range	127-16,833
Wattage Range	13.5-133.8
Efficacy Range (LPW)	115-142
Reported Life (Hours)	180-60,000
Input Current Range (Amps)	0.1-1.11

Page 170 Rev. 04/07/20
COL_MPS_5

© 2020 Columbia Lighting, a division of Hubbell Lighting, Inc. Specifications subject to design without notice.
700 Main Street, Greenville, SC 29615-1100, USA. Website: www.columbialighting.com



TYPE Q1

Columbia
LIGHTING
MPS
MULTIPURPOSE LINEAR

FEATURES

- Uninterrupted ribbon of light, row mounting, optional
- Long-life 60,000-hour LEDs at LED for reduced maintenance
- Superior color consistency within a 3-step Macadam ellipse and greater than 80 CRI
- Available in 2', 4' or 8' lengths
- Optional integral emergency battery pack
- Three lens options as well as less lens (NL)
- Modular replaceable LED boards and driver accessible for future maintenance or upgrades
- Surface mount, wall mount or suspended



CONTROL TECHNOLOGY
SpectraSync™ NX INTELLIGENCE

SPECIFICATIONS

CONSTRUCTION

- Housing, wireway, and ends are formed from code-approved steel
- Housing components act as heat sink for LED heat dissipation
- White painted parts are treated with a five stage phosphate coating process and finished with high reflectance baked enamel

OPTICS

- Available with or without frosted acrylic lens

INSTALLATION

- Knockouts are provided for electrical access and mounting

ELECTRICAL

- Long-life LEDs are rated for 60,000 hours at LED lumen maintenance
- Driver options include field output for on/off function, step dimming, high/low off, or continuous 0-10V dimming
- Superior drivers and long-life LEDs provide quality, dimmable, 50,000-hour service life
- Drivers < 10W, T4-D at 120V, power factor > 0.95

CONTROLS

- Optional SpectraSync™ offers two modes of Tunable White solutions and integrates seamlessly into a variety of control systems
- NX Distributed Intelligence™ provides options for standalone or networked, integrated sensor with or without wireless connectivity for IoT system deployments

CERTIFICATIONS

- C label is standard for recessed products

WARRANTY

- 5-year warranty

KEY DATA

Lumen Range	127-16,833
Wattage Range	13.5-133.8
Efficacy Range (LPW)	115-142
Reported Life (Hours)	180-60,000
Input Current Range (Amps)	0.1-1.11

Page 170 Rev. 04/07/20
COL_MPS_5

© 2020 Columbia Lighting, a division of Hubbell Lighting, Inc. Specifications subject to design without notice.
700 Main Street, Greenville, SC 29615-1100, USA. Website: www.columbialighting.com



TYPE Q

Columbia
LIGHTING
MPS
MULTIPURPOSE LINEAR

ORDERING GUIDE

CATALOG #

Example: MPS4-40M-LW-EQU

Model			Color		Options		Notes	
Model	Size	Color	Color Top	Notes (Accessories)	Options	Notes	Size	Color Top
MPS4	4' (1.22m)	White	White	Standard				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 2-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 4-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 8-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 12-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 16-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 20-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 24-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 28-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 32-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 36-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 40-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 44-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 48-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 52-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 56-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 60-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 64-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 68-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 72-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 76-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 80-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 84-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 88-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 92-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 96-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 100-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 104-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 108-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 112-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 116-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 120-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 124-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 128-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 132-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 136-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 140-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 144-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 148-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 152-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 156-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 160-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 164-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 168-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 172-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 176-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 180-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 184-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 188-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 192-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 196-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 200-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 204-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 208-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 212-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 216-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 220-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 224-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 228-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 232-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 236-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 240-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 244-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 248-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 252-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 256-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 260-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 264-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 268-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 272-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 276-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 280-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 284-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 288-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 292-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 296-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 300-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 304-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 308-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 312-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 316-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 320-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 324-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 328-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 332-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 336-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 340-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 344-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 348-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 352-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 356-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 360-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 364-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 368-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 372-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 376-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 380-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 384-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 388-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 392-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 396-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 400-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 404-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 408-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 412-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 416-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 420-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 424-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 428-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 432-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 436-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 440-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 444-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 448-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 452-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 456-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 460-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 464-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 468-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 472-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 476-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 480-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 484-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 488-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 492-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 496-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 500-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 504-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 508-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 512-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 516-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 520-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 524-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 528-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 532-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 536-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 540-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 544-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 548-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 552-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 556-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 560-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 564-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 568-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 572-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 576-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 580-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 584-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 588-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 592-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 596-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 600-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 604-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 608-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 612-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 616-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 620-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 624-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 628-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 632-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 636-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 640-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 644-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 648-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 652-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 656-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 660-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 664-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 668-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 672-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 676-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 680-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 684-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 688-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 692-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 696-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 700-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 704-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 708-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 712-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 716-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 720-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 724-Hour				
MPS4	4' (1.22m)	White	White	Emergency Battery Pack, 728-Hour		</		