

CITY OF BLOOMINGTON MINNESOTA

LIGHTING PLAN

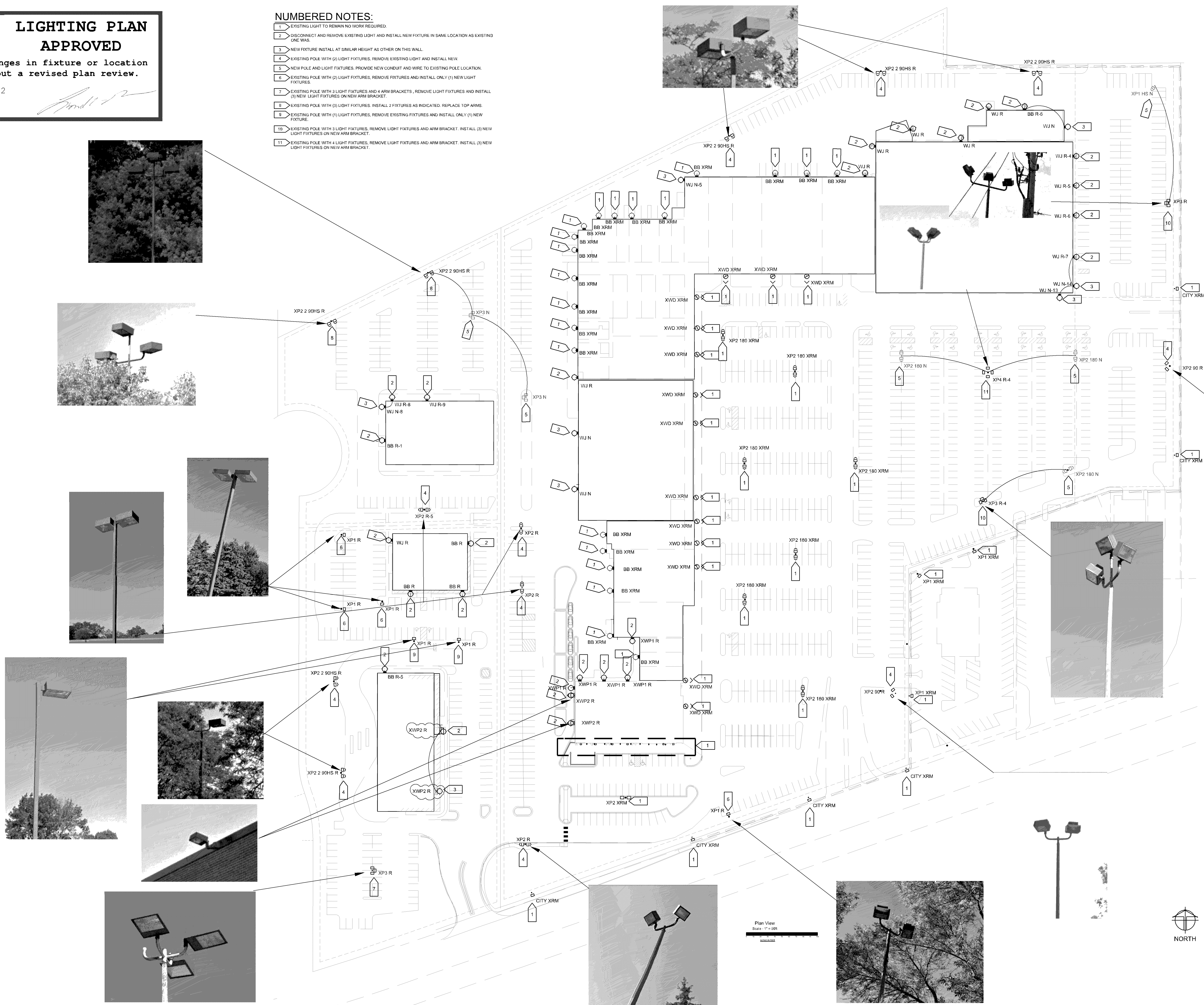
APPROVED

No changes in fixture or location
without a revised plan review.

12/15/2022
lplease

[Signature]

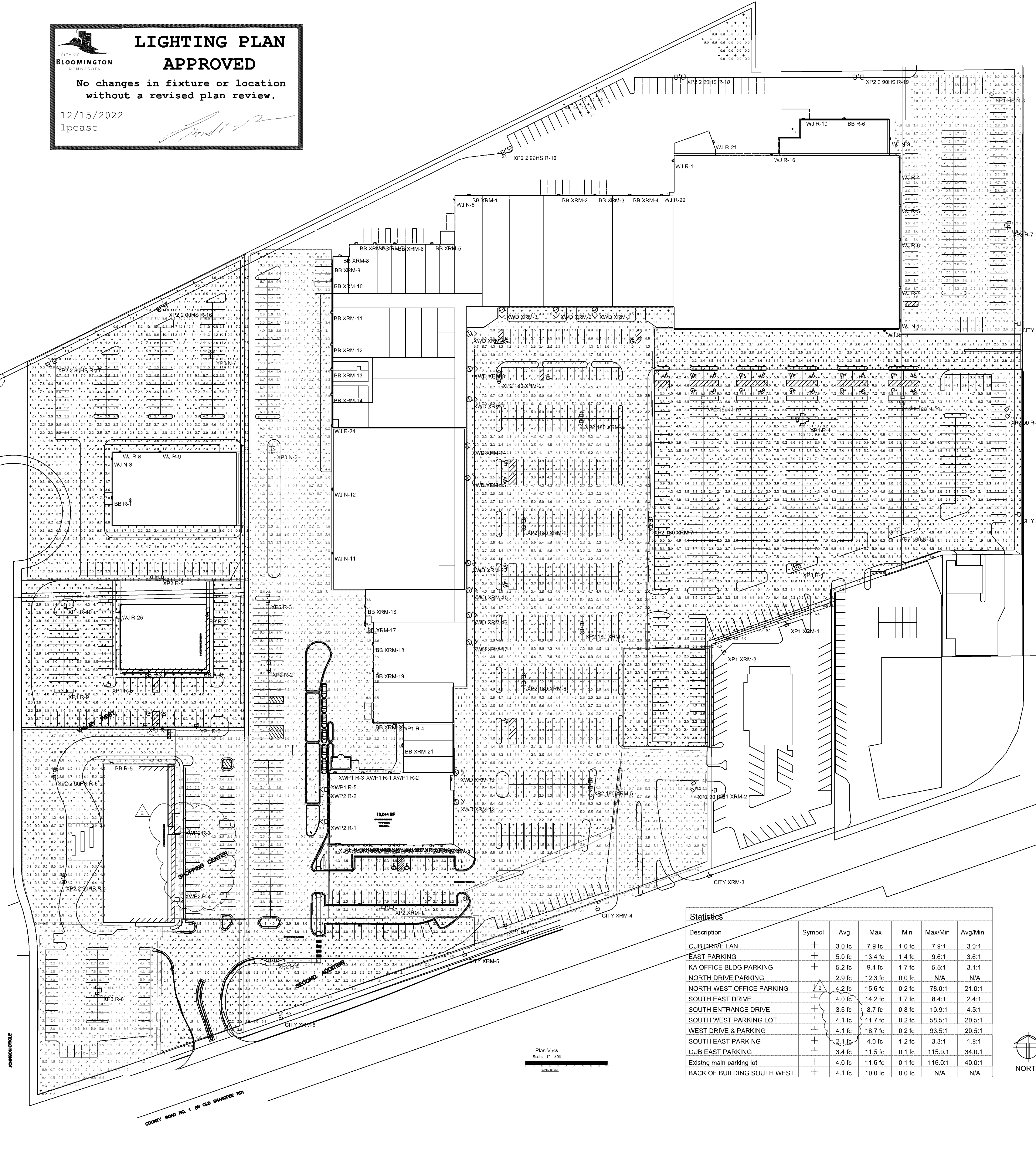
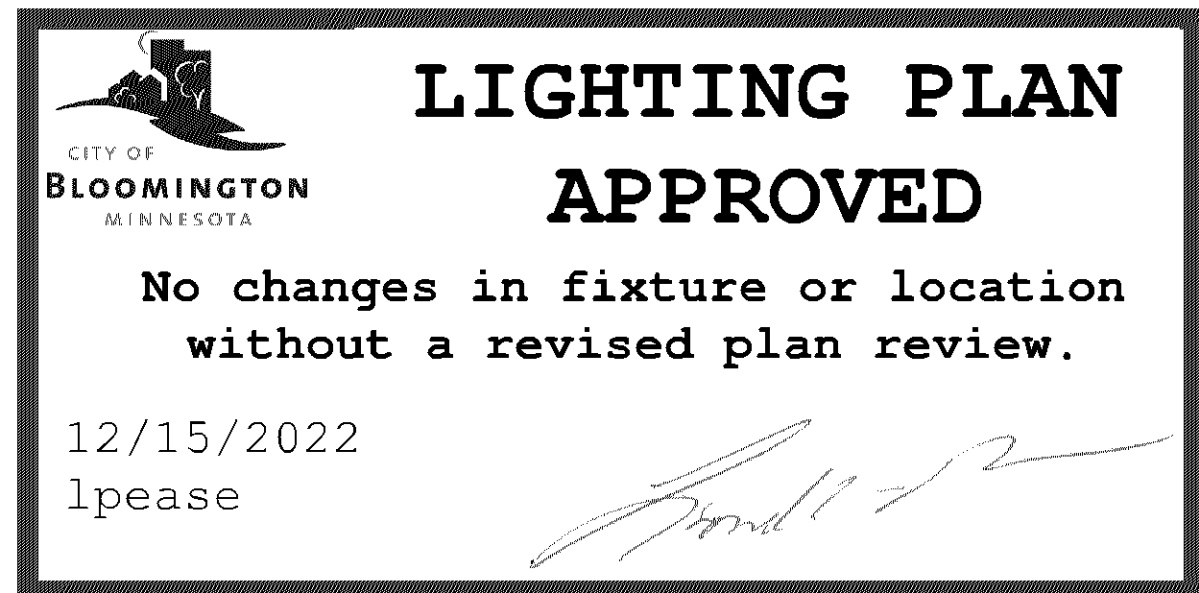
- ## NUMBERED NOTES:
- EXISTING LIGHT TO REMAIN NO WORK REQUIRED.
 - DISCONNECT AND REMOVE EXISTING LIGHT AND INSTALL NEW FIXTURE IN SAME LOCATION AS EXISTING ONE WAS.
 - NEW FIXTURE INSTALL AT SIMILAR HEIGHT AS OTHER ON THIS WALL.
 - EXISTING POLE WITH (2) LIGHT FIXTURES, REMOVE EXISTING LIGHT AND INSTALL NEW.
 - NEW POLE AND LIGHT FIXTURES, PROVIDE NEW CONDUIT AND WIRE TO EXISTING POLE LOCATION.
 - EXISTING POLE WITH (2) LIGHT FIXTURES, REMOVE FIXTURES AND INSTALL ONLY (1) NEW LIGHT FIXTURES.
 - EXISTING POLE WITH 3 LIGHT FIXTURES AND 4 ARM BRACKETS, REMOVE LIGHT FIXTURES AND INSTALL (3) NEW LIGHT FIXTURES ON NEW ARM BRACKET.
 - EXISTING POLE WITH (3) LIGHT FIXTURES, INSTALL 2 FIXTURES AS INDICATED, REPLACE TOP ARMS.
 - EXISTING POLE WITH (1) LIGHT FIXTURE, REMOVE EXISTING FIXTURES AND INSTALL ONLY (1) NEW FIXTURE.
 - EXISTING POLE WITH 3 LIGHT FIXTURES, REMOVE LIGHT FIXTURES AND ARM BRACKET. INSTALL (2) NEW LIGHT FIXTURES ON NEW ARM BRACKET.
 - EXISTING POLE WITH 4 LIGHT FIXTURES, REMOVE LIGHT FIXTURES AND ARM BRACKET. INSTALL (3) NEW LIGHT FIXTURES ON NEW ARM BRACKET.

[illegible]

Make SAFETY a part of every plan

[illegible]

Luminaire Locations		Location			
19	XP2 180 N	42800.24	3462.90	23.00	20.00
	XP2 180 N-1	42800.24	3466.05	23.00	20.00
	XP2 180 N-2	42800.24	3473.15	23.00	20.00
20	XP2 180 N	42844.48	3463.19	24.00	24.00
	XP2 180 N-1	42844.48	3466.34	24.00	24.00
	XP2 180 N-2	42844.48	3473.44	24.00	24.00
5	XP2 180 XSM	42590.06	3140.85	20.00	5.00
	XP2 180 XSM-1	42590.06	3144.00	20.00	5.00
	XP2 180 XSM-2	42590.06	3137.10	20.00	5.00
2	XP2 R	42267.81	3157.83	25.00	100.00
	XP2 R-1	42267.81	3154.09	25.00	100.00
	XP2 R-2	42267.81	3161.58	25.00	25.00
3	XP2 R	42266.53	3040.71	24.00	100.00
	XP2 R-1	42266.53	3036.96	24.00	100.00
	XP2 R-2	42266.53	3044.46	24.00	24.00
2	XP2 N	42273.50	3424.52	33.00	33.00
	XP2 N-1	42273.50	3420.77	33.00	33.00
	XP2 N-2	42267.75	3424.52	33.00	33.00
3	XP2 N	42273.50	3428.27	33.00	33.00
	XP2 N-1	42198.96	3533.08	28.00	28.00
	XP2 N-2	42198.96	3535.83	28.00	28.00
	XP2 N-3	42198.96	3543.43	28.00	28.00
3	XP2 R	42174.97	3607.21	20.00	179.26
	XP2 R-1	42174.97	3603.56	20.00	179.26
	XP2 R-2	42171.17	3607.26	20.00	206.28
	XP2 R-3	42174.96	3670.06	20.00	350.28
21	XP2 180 N	42803.94	3473.05	23.00	31.38
	XP2 180 N-1	42807.28	3474.73	23.00	31.38
4	XP2 R	42272.33	3137.47	23.00	243.38
	XP2 R-1	42266.56	3137.30	23.00	249.85
	XP2 R-2	42272.33	3139.32	23.00	249.85
5	XP2 R	42190.84	3067.06	24.00	90.00
	XP2 R-1	42194.59	3067.06	24.00	90.00
	XP2 R-2	42197.08	3037.06	24.00	270.00
14	WJ N	38640.80	3581.13	12.00	90.00
7	XP2 180 XSM	42735.05	3133.12	20.00	5.00
	XP2 180 XSM-1	42735.05	3135.67	20.00	5.00
	XP2 180 XSM-2	42733.05	3138.37	20.00	100.00
5	XWP2 R	42341.88	3016.76	18.00	270.00
1	XWP2 R	42341.69	3067.48	30.00	270.00
	XWP2 R-1	42341.69	3066.68	30.00	270.00
4	XWP2 R	42144.57	3071.97	45.00	40.00
	XWP2 R-1	42144.57	3066.04	40.00	40.00
	XWP2 R-2	42144.57	3071.97	45.00	40.00
	XWP2 R-3	42144.57	3066.04	40.00	40.00
	XWP2 R-4	42144.57	3071.97	45.00	40.00
	XWP2 R-5	42144.57	3066.04	40.00	40.00
	XWP2 R-6	42144.57	3071.97	45.00	40.00
	XWP2 R-7	42144.57	3066.04	40.00	40.00
	XWP2 R-8	42144.57	3071.97	45.00	40.00
	XWP2 R-9	42144.57	3066.04	40.00	40.00
	XWP2 R-10	42144.57	3071.97	45.00	40.00
	XWP2 R-11	42144.57	3066.04	40.00	40.00
	XWP2 R-12	42144.57	3071.97	45.00	40.00
	XWP2 R-13	42144.57	3066.04	40.00	40.00
	XWP2 R-14	42144.57	3071.97	45.00	40.00
	XWP2 R-15	42144.57	3066.04	40.00	40.00
	XWP2 R-16	42144.57	3071.97	45.00	40.00
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	XWP2 R-18	42144.57	3071.97	45.00	40.00
	XWP2 R-19	42144.57	3066.04	40.00	40.00
	XWP2 R-20	42144.57	3071.97	45.00	40.00
	XWP2 R-21	42144.57	3066.04	40.00	40.00
	XWP2 R-22	42144.57	3071.97	45.00	40.00
	XWP2 R-23	42144.57	3066.04	40.00	40.00
	XWP2 R-24	42144.57	3071.97	45.00	40.00
	XWP2 R-25	42144.57	3066.04	40.00	40.00
	XWP2 R-26	42144.57	3071.97	45.00	40.00
	XWP2 R-27	42144.57	3066.04	40.00	40.00
	XWP2 R-28	42144.57	3071.97	45.00	40.00
	XWP2 R-29	42144.57	3066.04	40.00	40.00
	XWP2 R-30	42144.57	3071.97	45.00	40.00
	XWP2 R-31	42144.57	3066.04	40.00	40.00
	XWP2 R-32	42144.57	3071.97	45.00	40.00
	XWP2 R-33	42144.57	3066.04	40.00	40.00
	XWP2 R-34	42144.57	3071.97	45.00	40.00
	XWP2 R-35	42144.57	3066.04	40.00	40.00
	XWP2 R-36	42144.57	3071.97	45.00	40.00
	XWP2 R-37	42144.57	3066.04	40.00	40.00
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	XWP2 R-39	42144.57	3066.04	40.00	40.00
	XWP2 R-40	42144.57	3071.97	45.00	40.00
	XWP2 R-41	42144.57	3066.04	40.00	40.00
	XWP2 R-42	42144.57	3071.97	45.00	40.00
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	XWP2 R-51	42144.57	3066.04	40.00	40.00
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	XWP2 R-71	42144.57	3066.04	40.00	40.00
	XWP2 R-72	42144.57	3071.97	45.00	40.00
	XWP2 R-73	42144.57	3066.04	40.00	40.00
	XWP2 R-74	42144.57	3071.97	45.00	40.00
	XWP2 R-75	42144.57	3066.04	40.00	40.00
	XWP2 R-76	42144.57	3071.97	45.00	40.00
	XWP2 R-77	42144.57	3066.04	40.00	40.00
	XWP2 R-78	42144.57	3071.97	45.00	40.00
	XWP2 R-79	42144.57	3066.04	40.00	40.00
	XWP2 R-80	42144.57	3071.97	45.00	40.00
	XWP2 R-81	42144.57	3066.04	40.00	40.00
	XWP2 R-82	42144.57	3071.97	45.00	40.00
	XWP2 R-83	42144.57	3066.04	40.00	40.00
	XWP2 R-84	42144.57	3071.97	45.00	40.00
	XWP2 R-85	42144.57	3066.04	40.00	40.00
	XWP2 R-86	42144.57	3071.97	45.00	40.00
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	XWP2 R-88	42144.57	3071.97	45.00	40.00
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	XWP2 R-91	42144.57	3066.04	40.00	40.00
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	XWP2 R-95	42144.57	3066.04	40.00	40.00
	XWP2 R-96	42144.57	3071.97	45.00	40.00
	XWP2 R-97	42144.57	3066.04	40.00	40.00
	XWP2 R-98	42144.57	3071.97	45.00	40.00
	XWP2 R-99	42144.57	3066.04	40.00	40.00
	XWP2 R-100	42144.57	3071.97	45.00	40.00
	XWP2 R-101	42144.57	3066.04	40.00	40.00
	XWP2 R-102	42144.57	3071.97	45.00	40.00
	XWP2 R-103	42144.57	3066.04	40.00	40.00
	XWP2 R-104	42144.57	3071.97	45.00	40.00
	XWP2 R-105	42144.57	3066.04	40.00	40.00
	XWP2 R-106	42144.57	3071.97	45.00	40.00
	XWP2 R-107	42144.57	3066.04	40.00	40.00
	XWP2 R-108	42144.57	3071.97	45.00	40.00
	XWP2 R-109	42144.57	3066.04	40.00	40.00
	XWP2 R-110	42144.57	3071.97	45.00	40.00
	XWP2 R-111	42144.57	3066.04	40.00	40.00
	XWP2 R-112	42144.57	3071.97	45.00	40.00
	XWP2 R-113	42144.57	3066.04	40.00	40.00
	XWP2 R-114	42144.57	3071.97	45.00	40.00
	XWP2 R-115	42144.57	3066.04	40.00	40.00
	XWP2 R-116	42144.57	3071.97	45.00	40.00
	XWP2 R-117	42144.57	3066.04	40.00	40.00
	XWP2 R-118	42144.57	3071.97	45.00	40.00
	XWP2 R-119	42144.57	3066.04	40.00	40.00
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	XWP2 R-122	42144.57	3071.97	45.00	40.00
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	XWP2 R-124	42144.57	3071.97	45.00	40.00
	XWP2 R-125	42144.57	3066.04	40.00	40.00
	XWP2 R-126	42144.57	3071.97	45.00	40.00
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	XWP2 R-130	42144.57	3071.97	45.00	40.00
	XWP2 R-131	42144.57	3066.04	40.00	40.00
	XWP2 R-132	42144.57	3071.97	45.00	40.00
	XWP2 R-133	42144.57	3066.04	40.00	40.00
	XWP2 R-134	42144.57	3071.97	45.00	40.00
	XWP2 R-135	42144.57	3066.04	40.00	40.00
	XWP2 R-136	42144.57	3071.97	45.00	40.00
	XWP2 R-137	42144.57	3066.04	40.00	40.00
	XWP2 R-138	42144.57	3071.97	45.00	40.00
	XWP2 R-139	42144.57	3066.04	40.00	40.00
	XWP2 R-140	42144.57	3071.97	45.00	40.00
	XWP2 R-141	42144.57	3066.04	40.00	40.00
	XWP2 R-142	42144.57	3071.97	45.00	40.00
	XWP2 R-143	42144.57	3066.04	40.00	40.00
	XWP2 R-144	42144.57	3071.97	45.00	40.00
	XWP2 R-145	42144.57	3066.04	40.00	40.00
	XWP2 R-146	42144.57	3071.97	45.00	40.00
	XWP2 R-147	42144.57	3066.04	40.00	40.00
	XWP2 R-148	42144.57	3071.97	45.00	40.00
	XWP2 R-149	42144.57	3066.04	40.00	40.00
	XWP2 R-150	42144.57	3071.97	45.00	



Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
CUB DRIVE LAN	+	3.0 f.c	7.9 f.c	1.0 f.c	7.9:1	3.0:1
EAST PARKING	+	5.0 f.c	13.4 f.c	1.4 f.c	9.6:1	3.6:1
KA OFFICE BLDG PARKING	+	5.2 f.c	9.4 f.c	1.7 f.c	5.5:1	3.1:1
NORTH DRIVE PARKING	+	2.9 f.c	12.3 f.c	0.6 f.c	N/A	N/A
NORTH WEST OFFICE PARKING	+	4.2 f.c	15.6 f.c	0.2 f.c	78.0:1	21.0:1
SOUTH EAST DRIVE	+	4.2 f.c	14.2 f.c	1.7 f.c	8.4:1	2.4:1
SOUTH ENTRANCE DRIVE	+	3.6 f.c	8.7 f.c	0.8 f.c	10.9:1	4.5:1
SOUTH WEST PARKING LOT	+	4.1 f.c	11.7 f.c	0.2 f.c	58.5:1	20.5:1
WEST DRIVE & PARKING	+	4.1 f.c	18.7 f.c	0.2 f.c	93.5:1	20.5:1
SOUTH EAST PARKING	+	2.1 f.c	4.0 f.c	1.2 f.c	3.3:1	1.8:1
CUB EAST PARKING	+	3.4 f.c	11.5 f.c	0.1 f.c	115.0:1	34.0:1
Existing main parking lot	+	4.0 f.c	11.6 f.c	0.1 f.c	116.0:1	40.0:1
BACK OF BUILDING SOUTH WEST	+	4.1 f.c	10.0 f.c	0.0 f.c	N/A	N/A

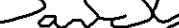


VALLEY WEST SHOPPING CENTER
SITE RELIGHTING
FRANCE AVENUE S & W OLD SHAKOPEE
BLOOMINGTON MINN



I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

DATE: 4-22-22 REG. #: 25509

SIGNED:  DAVID S. HOVE

DRAWN BY: K. KUEHN
CHECKED BY: M. KEYS
DATE: 4-8-22

JOB NUMBER:
FILE NAME:

REVISIONS		
#	DATE	
1	4-22-22	PERMIT SET
2	12-14-22	PROGRESS SET

PHOTOMETRIC PLAN
100 %

SCALE: 1"=50'-0'

E060

Make SAFETY a part of every plan

Luminaire Locations							
No.	Label	X	Y	Z	MH	Orientation	TW
1	WJ R	42793.92	8777.07	12.00	12.00	270.00	0.00
4	WJ R	43060.71	8784.51	10.00	10.00	0.00	0.00
5	WJ R	43040.71	8752.09	10.00	10.00	0.00	0.00
6	WJ R	43040.71	8686.15	10.00	10.00	0.00	0.00
7	WJ R	43040.71	8621.83	10.00	10.00	0.00	0.00
8	WJ R	42985.53	8425.14	10.00	10.00	0.00	0.00
9	WJ R	42134.53	8425.09	10.00	10.00	0.00	0.00
4	XP2 2 80HS R	42014.30	8897.53	20.00	20.00	89.36	0.00
5	XP2 2 80HS R	42003.64	9020.00	20.00	20.00	89.64	0.00
10	XP2 2 80HS R	42558.05	8791.75	20.00	20.00	151.98	0.00
2	XP2 30 R	42791.97	9009.21	20.00	20.00	233.11	0.00
4	XP2 30 R	43176.72	8458.00	20.00	20.00	222.54	0.00
4	XP1 R	42115.35	9032.48	20.00	20.00	0.00	0.00
5	XP1 R	42179.16	8981.22	20.00	20.00	0.00	0.00
4	XP3 R	42914.50	8278.75	20.00	20.00	248.11	0.00
4	XP1 R	42981.82	8458.71	30.00	30.00	0.00	0.00
2	XP1 XRM	42811.21	8000.52	20.00	20.00	88.61	0.00
1	XP2 XRM	42113.11	8852.78	30.00	30.00	80.00	0.00
1	XP2 XRM-1	42447.97	8892.78	30.00	30.00	80.00	0.00
10	XP2 XRM-2	42445.25	8892.78	30.00	30.00	270.00	0.00
1	XD XRM	42350.29	8836.03	9.50	9.50	180.00	0.00
2	XD XRM	42370.88	8836.03	9.50	9.50	180.00	0.00
3	XD XRM	42394.45	8836.03	9.50	9.50	180.00	0.00
4	XD XRM	42415.91	8836.03	9.50	9.50	180.00	0.00
5	XD XRM	42438.13	8836.03	9.50	9.50	180.00	0.00
5	XD XRM	42456.30	8836.03	9.50	9.50	180.00	0.00
1	XP XRM	42458.72	8836.12	18.00	18.00	180.00	0.00
2	XP XRM	42489.15	8836.12	18.00	18.00	180.00	0.00
3	XP XRM	42513.65	8836.12	18.00	18.00	180.00	0.00
4	XP XRM	42538.91	8836.12	18.00	18.00	180.00	0.00
5	XP XRM	42565.07	8836.12	18.00	18.00	180.00	0.00
6	XP XRM	42592.41	8836.12	18.00	18.00	180.00	0.00
7	XP XRM	42623.44	8836.12	18.00	18.00	180.00	0.00
8	XP XRM	42651.25	8836.39	18.00	18.00	180.00	0.00
9	XP XRM	42678.73	8836.50	18.00	18.00	180.00	0.00
10	XP XRM	42705.71	8836.61	18.00	18.00	180.00	0.00
1	XWD XRM	42687.45	8597.80	12.00	12.00	179.67	0.00
2	XWD XRM	42611.68	8597.80	12.00	12.00	179.67	0.00
3	XWD XRM	42583.51	8597.80	12.00	12.00	179.67	0.00
4	XWD XRM	42550.53	8596.20	12.00	12.00	89.82	0.00
7	XWD XRM	42510.12	8484.81	12.00	12.00	90.00	0.00
8	XWD XRM	42515.84	8484.81	12.00	12.00	90.00	0.00
9	XWD XRM	42568.63	8484.10	12.00	12.00	90.00	0.00
10	XWD XRM	42593.98	8350.65	12.00	12.00	90.00	0.00
12	XWD XRM	42614.13	8350.65	12.00	12.00	90.00	0.00
13	XWD XRM	42639.52	8227.38	12.00	12.00	90.00	0.00
1	XWP1 R	42382.80	9026.41	12.00	12.00	0.00	0.00
2	XWP1 R	42416.02	9026.55	12.00	12.00	0.00	0.00
3	XWP1 R	42448.54	9026.55	12.00	12.00	0.00	0.00
1	BB XRM	42513.00	8754.00	8.00	8.00	0.00	0.00
2	BB XRM	42623.00	8754.00	10.00	10.00	0.00	0.00
3	BB XRM	42622.00	8747.67	14.00	14.00	0.00	0.00
7	BB XRM	42710.00	8754.00	10.00	10.00	0.00	0.00
5	BB XRM	42689.00	8675.00	8.00	8.00	0.00	0.00
6	BB XRM	42622.00	8674.67	14.00	14.00	0.00	0.00
7	BB XRM	42388.00	8675.00	14.00	14.00	0.00	0.00
8	BB XRM	42355.00	8690.00	14.00	14.00	0.00	0.00
9	BB XRM	42344.00	8690.00	10.00	10.00	270.00	0.00
10	BB XRM	42345.68	8636.82	10.00	10.00	270.00	0.00
11	BB XRM	42345.44	8591.48	10.00	10.00	270.00	0.00
12	BB XRM	42345.12	8591.12	10.00	10.00	270.00	0.00
13	BB XRM	42345.55	8551.50	10.00	10.00	270.00	0.00
14	BB XRM	42345.65	8496.04	10.00	10.00	270.00	0.00
16	BB XRM	42375.13	8675.00	8.00	8.00	0.00	0.00
18	BB XRM	42388.57	8231.74	10.00	10.00	270.00	0.00
17	BB XRM	42386.52	8209.15	10.00	10.00	270.00	0.00
18	BB XRM	42386.88	8184.85	10.00	10.00	270.00	0.00
19	BB XRM	42386.66	8154.85	10.00	10.00	270.00	0.00
20	BB XRM	42386.54	8096.30	10.00	10.00	270.00	0.00
21	BB XRM	42423.53	8096.61	10.00	10.00	270.00	0.00
16	WJ R	42985.53	8784.41	10.00	10.00	0.00	0.00
19	WJ R	42923.02	8827.94	20.00	20.00	0.00	0.00
21	WJ R	42812.24	8895.18	20.00	20.00	0.00	0.00
22	WJ R	42761.11	8744.51	12.00	12.00	0.00	0.00
14	XWD XRM	42588.05	8428.01	12.00	12.00	30.00	0.00
15	XWD XRM	42588.05	8388.25	12.00	12.00	30.00	0.00
16	XWD XRM	42588.05	8328.15	12.00	12.00	30.00	0.00
17	XWD XRM	42588.05	8188.83	12.00	12.00	30.00	0.00
4	XWP1 R	42422.73	8597.75	10.00	10.00	180.00	0.00
24	WJ R	42445.00	8452.51	14.00	14.00	270.00	0.00
1	CITY XRM	42183.39	8343.64	40.00	40.00	0.00	0.00
2	CITY XRM	42183.39	8577.25	40.00	40.00	0.00	0.00
3	CITY XRM	42183.39	8804.13	40.00	40.00	15.85	0.00
4	CITY XRM	42183.39	8854.14	40.00	40.00	15.85	0.00
5	CITY XRM	42183.39	8807.34	40.00	40.00	15.85	0.00
1	CITY XRM	42281.38	8729.42	40.00	40.00	15.85	0.00
16	XP2 2 80HS R	42132.00	8999.51	20.00	20.00	151.98	0.00
17	XP2 2 80HS R	42132.72	9000.07	20.00	20.00	151.98	0.00
17	XP2 2 80HS R	42140.67	9000.29	20.00	20.00	151.98	0.00
17	XP2 2 80HS R	42000.08	9531.48	20.00	20.00	151.98	0.00
17	XP2 2 80HS R	41996.61	9538.04	20.00	20.00	151.98	0.00
7	XP2 2 80HS R	42064.75	9532.27	20.00	20.00	151.98	0.00
7	XP1 R	42558.41	8856.29	20.00	20.00	343.00	0.00
3	XP1 XRM	42622.85	9175.71	20.00	20.00	130.77	0.00
5	WJ N	42446.75	8729.92	14.00	14.00	270.00	0.00
8	WJ N	42876.05	8411.61	10.00	10.00	270.00	0.00
9	WJ N	42928.52	8884.03	15.00	15.00	30.00	0.00
3	XP1 HS N	42155.72	8861.92	33.00	33.00	215.01	0.00
5	XP3 R	42657.75	8740.49	20.00	20.00	0.14	0.00
5	XP3 R-1	42657.71	8740.24	20.00	20.00	0.14	0.00
5	XP3 R-2	42661.45	8760.48	20.00	20.00	30.14	0.00
5	XP3 R-3	42657.68	8750.74	20.00	20.00	180.14	0.00
1	BB R	42194.74	8220.55	12.00	12.00	30.00	0.00
3	BB R	42191.71	8220.55	12.00	12.00	30.00	0.00
3	BB R	42111.38	8153.70	12.00	12.00	180.00	0.00
4	BB R	42184.20	8153.83	12.00	12.00	180.00	0.00
11	WJ N	42346.39	8296.35	14.00	14.00	270.00	0.00
12	WJ N	42346.39	8274.88	14.00	14.00	270.00	0.00
8	XP1 R	42071.51	8174.85	20.00	20.00	179.42	0.00
9	XP1 R	42014.77	8127.48	20.00	20.00	90.00	0.00
10	XP1 R	42014.66	8231.79	20.00	20.00	90.00	0.00
1	XP2 180 XRM	42580.06	9231.85	20.00	20.00	0.00	0.00
1	XP2 180 XRM-1	42580.06	9236.60	20.00	20.00	0.00	0.00
1	XP2 180 XRM-2	42580.06	9238.10	20.00	20.00	180.00	0.00
2	XP2 180 XRM	42549.84	9511.99	20.00	20.00	0.00	0.00
1	XP2 180 XRM-1	42549.84	9515.71	20.00	20.00	0.00	0.00
1	XP2 180 XRM-2	42549.84	9508.21	20.00	20.00	180.00	0.00
3	XP2 180 XRM	42600.74	9461.30	20.00	20.00	0.00	0.00
1	XP2 180 XRM-1	42600.74	9465.05	20.00	20.00	0.00	0.00
1	XP2 180 XRM-2	42600.74	9457.55	20.00	20.00	180.00	0.00
4	XP2 180 XRM	42651.69	9204.69	20.00	20.00	0.00	0.00
1	XP2 180 XRM-1	42651.69	9206.44	20.00	20.00	0.00	0.00
1	XP2 180 XRM-2	42651.69	9200.94	20.00	20.00	180.00	0.00
5	XP2 180 XRM	42661.74	9012.50	20.00	20.00	0.00	0.00
1	XP2 180 XRM-1	42661.74	9016.25	20.00	20.00	0.00	0.00
1	XP2 180 XRM-2	42661.74	9008.75	20.00	20.00	180.00	0.00
5	BB R	42075.81	8637.86	10.00	10.00	380.00	0.00
6	BB R	42072.81	8627.84	10.00	10.00	0.00	0.00
13	WJ N	42022.12	8586.34	12.00	12.00	180.00	0.00
28	WJ R	42985.73	8224.15	12.00	12.00	270.00	0.00
4	XP1 XRM	42901.37	8211.71	20.00	20.00	155.50	0.00
18	XP2 2 80HS R	42771.37	8865.18	20.00	20.00	179.35	0.00
1	XP2 2 80HS R-1	42756.83	8860.54	20.00	20.00	179.35	0.00
1	XP2 2 80HS R-2	42775.69	8860.73	20.00	20.00	179.35	0.00
19	XP2 2 80HS R	42680.41	8852.16	20.00	20.00	179.35	0.00
1	XP2 2 80HS R-1	42685.83	8850.61	20.00	20.00	179.35	0.00
1	XP2 2 80HS R-2	42684.93	8850.71	20.00	20.00	179.35	0.00

Luminaire Locations							
No.	Label	X	Y	Z	MH	Orientation	TW
19	XP2 180 N	42803.24	9482.90	20.00	20.00	0.00	0.00
1	XP2 180 N-1	42803.24	9482.90	20.00	20.00	0.00	0.00
20	XP2 180 N-2	42803.24	9479.15	20.00	20.00	180.00	0.00
5	XP2 180 XRM	42580.06	9483.15	20.00	20.00	0.00	0.00
3	XP2 180 N-3	42804.40	9480.94	24.00	24.00	0.00	0.00
6	XP2 180 XRM	42584.46	9479.44	24.00	24.00	180.00	0.00
2	XP2 180 XRM-1	42580.06	9144.60	20.00	20.00	0.00	0.00
2	XP2 180 XRM-2	42580.06	9137.10	20.00	20.00	180.00	0.00
2	XP2 R-1	42267.81	9157.83	25.00	25.00	180.00	0.00
2	XP2 R-2	42267.81	9154.08	25.00	25.00	180.00	0.00
3	XP2 R-3	42267.81	9151.58	25.00	25.00	0.00	0.00
3	XP2 R-4	42266.52	9240.71	24.00	24.00	180.00	0.00
3	XP2 R-5	42266.52	9240.71	24.00	24.00	180.00	0.00
2	XP2 R-6	42266.52	9244.46	24.00	24.00	0.00	0.00
2	XP2 N-1	42271.56	9424.52	33.00	33.00	180.00	0.00
3	XP2 N-2	42271.56	9420.77	33.00	33.00	180.00	0.00
3	XP2 N-3	42265.75	9424.52	33.00	33.00	270.00	0.00
3	XP2 N-4	42265.75	9428.27	33.00	33.00	0.00	0.00
3	XP2 N-5	42198.96	9503.68	28.00	28.00	180.00	0.00
3	XP2 N-6	42198.96	9505.93	28.00	28.00	180.00	0.00
3	XP2 N-7	42195.21	9536.68	28.00	28.00	270.00	0.00
3	XP2 N-8	42198.96	9543.43	28.00	28.00	0.00	0.00
7	XP2 R-1	42174.92	9677.31	20.00	20.00	174.26	0.00
7	XP2 R-2	42174.92	9672.26	20.00	20.00	216.28	0.00
7	XP2 R-3	42174.98	9701.06	20.00	20.00	358.28	0.00
21	XP2 180 N-1	42033.04	9233.05	20.00	20.00	63.38	0.00
4	XP2 180 N-2	42037.29	9242.73	20.00	20.00	63.38	0.00
4	XP2 R-1	42272.32	9747.31	20.00	20.00	259.85	0.00
4	XP2 R-2	42272.32	9747.31	20.00	20.00	259.85	0.00
5	XP2 R-3	42276.06	9787.32	20.00	20.00	89.85	0.00
5	XP2 R-4	42276.06	9287.95	24.00	24.00	90.00	0.00
5	XP2 R-5	42276.06	9287.95	24.00	24.00	90.00	0.00
5	XP2 R-6	42127.09	9287.95	24.00	24.00	270.00	0.00
14	WJ 180 XRM	41840.86	9561.13	12.00	12.00	90.00	0.00
7	WJ 180 XRM	42735.65	9332.12	20.00	20.00	0.00	0.00
2	XP2 180 XRM-1	42735.65	9335.87	20.00	20.00	0.00	0.00
2	XP2 180 XRM-2	42735.65	9326.37	20.00	20.00	180.00	0.00
5	XWXP2 R	42341.88	9216.78	10.00	10.00	270.00	0.00
2	XWXP2 R	42341.69	9187.44	10.00	10.00	270.00	0.00
3	XWXP2 R	42144.07	9509.46	40.00	30.00	270.00	0.00
4	XWXP2 R	42152.54	8895.54	40.00	40.00	90.00	0.00

Schedule				Schedule			
Symbol	Label	Light-on Time	Light-off Time	Symbol	Label	Light-on Time	Light-off Time
	CITY XRM				XFM		
	XP1 HS N				XD XRM		
	XP1 R				X1P 1 R		
	XP1 XRM				X2P 2 R		
	XP2 180 N				BB XRM		
	XP2 180 XRM				BB R		
	XP2 R						
	XP2 2 90H S R						
	XP2 90 R						
	XP3 N						
	XP3 R						
	XP4 R						
	WJ N						
	WJ R						
	X1P N						
	X1P R						
	X2P R						

Light Fixtures Schedule											
Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Lumens Class	Lumens Per Lamp	Voltage	Wattage	Notes
	XP1 HS N		1	COOPER LIGHTING SOLUTIONS - MCGRAW HILL (FORMERLY EATON)	GLEEK-SAG-14N4-L-THPT-HSG-62 NEW 30 SQUARE POLE	GALLERIE AREA AND ROADWAY LUMINAIRE (B) 15 CR, 400K, 1050MA LIGHTFOURQUES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD	4050	313	120V/277	330	
	XP1 R		5	COOPER LIGHTING SOLUTIONS - MCGRAW HILL (FORMERLY EATON)	GLEEK-SAG-14N4-L-300002 ON EXIST SQUARE POLE	GALLERIE AREA AND ROADWAY LUMINAIRE (B) 15 CR, 400K, 1050MA LIGHTFOURQUES WITH 16 LEDS EACH AND TYPE IV VIBE OPTICS	4050	464	120V/277	333	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING POLE
	XP2 180 N		3	COOPER LIGHTING SOLUTIONS - MCGRAW HILL (FORMERLY EATON)	G1 GLEEK-SAG-14S4-L-300002 NEW 20 SQUARE POLE 2 @ 180 DEG	GALLERIE AREA AND ROADWAY LUMINAIRE (B) 15 CR, 400K, 1050MA LIGHTFOURQUES WITH 16 LEDS EACH AND TYPE IV VIBE OPTICS	4050	464	120V/277	360	
	XP2 2 90H S R		7	COOPER LIGHTING SOLUTIONS - MCGRAW HILL (FORMERLY EATON)	G1 GLEEK-SAG-14S4-L-THPT-HSG-62 NEW MOUNTING ARM 2 @ 180 DEG ON EXIST SQUARE POLE	GALLERIE AREA AND ROADWAY LUMINAIRE (B) 15 CR, 400K, 1050MA LIGHTFOURQUES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD	4050	313	120V/277	360	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING POLE
	XP2 90 R		2	COOPER LIGHTING SOLUTIONS - MCGRAW HILL (FORMERLY EATON)	G1 GLEEK-SAG-14S4-L-THPT-HSG-62 NEW MOUNTING ARM 2 @ 90 DEG ON EXIST SQUARE POLE	GALLERIE AREA AND ROADWAY LUMINAIRE (B) 15 CR, 400K, 1050MA LIGHTFOURQUES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD	4050	313	120V/277	360	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING POLE
	XP3 R		3	COOPER LIGHTING SOLUTIONS - MCGRAW HILL (FORMERLY EATON)	G1 GLEEK-SAG-14S4-L-300002-OMEGA EXIST 120 SQUARE POLE	GALLERIE AREA AND ROADWAY LUMINAIRE (B) 15 CR, 400K, 1050MA LIGHTFOURQUES WITH 16 LEDS EACH AND TYPE IV VIBE OPTICS	4050	464	120V/277	360	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING POLE
	XP4 R		1	COOPER LIGHTING SOLUTIONS - MCGRAW HILL (FORMERLY EATON)	G1 GLEEK-SAG-14S4-L-300002-OMEGA 4 @ 90 DEG ON EXIST SQUARE POLE	GALLERIE AREA AND ROADWAY LUMINAIRE (B) 15 CR, 400K, 1050MA LIGHTFOURQUES WITH 16 LEDS EACH AND TYPE IV VIBE OPTICS	4050	464	120V/277	333	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING POLE
	WJ N		7	Lithonia Lighting	DSXN4 LED 20C 100W 40K TFM MVOLT DB200	DSXN4 LED WITH 2 LIGHT ENGINE, 10 100W, 1050MA OVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	4050	7500	120V/277	73	
	WJ R		13	Lithonia Lighting	DSXN4 LED 20C 100W 40K TFM MVOLT DB200	DSXN4 LED WITH 2 LIGHT ENGINE, 10 100W, 1050MA OVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	4050	7500	120V/277	73	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL
	WJ R		1	Lithonia Lighting	DSXN4 LED 20C 100W 40K TFM MVOLT DB200	DSXN4 LED WITH 2 LIGHT ENGINE, 10 100W, 1050MA OVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	4050	7500	120V/277	73	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL
	WJ R		1	Lithonia Lighting	DSXN4 LED 20C 100W 40K TFM MVOLT DB200	DSXN4 LED WITH 2 LIGHT ENGINE, 10 100W, 1050MA OVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	4050	7500	120V/277	73	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL
	WJ R		1	Lithonia Lighting	DSXN4 LED 20C 100W 40K TFM MVOLT DB200	DSXN4 LED WITH 2 LIGHT ENGINE, 10 100W, 1050MA OVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	4050	7500	120V/277	73	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL
	WJ R		1	Lithonia Lighting	DSXN4 LED 20C 100W 40K TFM MVOLT DB200	DSXN4 LED WITH 2 LIGHT ENGINE, 10 100W, 1050MA OVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	4050	7500	120V/277	73	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL
	WJ R		1	Lithonia Lighting	DSXN4 LED 20C 100W 40K TFM MVOLT DB200	DSXN4 LED WITH 2 LIGHT ENGINE, 10 100W, 1050MA OVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	4050	7500	120V/277	73	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL
	WJ R		1	Lithonia Lighting	DSXN4 LED 20C 100W 40K TFM MVOLT DB200	DSXN4 LED WITH 2 LIGHT ENGINE, 10 100W, 1050MA OVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	4050	7500	120V/277	73	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL
	WJ R		1	Lithonia Lighting	DSXN4 LED 20C 100W 40K TFM MVOLT DB200	DSXN4 LED WITH 2 LIGHT ENGINE, 10 100W, 1050MA OVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	4050	7500	120V/277	73	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL
	WJ R		1	Lithonia Lighting	DSXN4 LED 20C 100W 40K TFM MVOLT DB200	DSXN4 LED WITH 2 LIGHT ENGINE, 10 100W, 1050MA OVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	4050	7500	120V/277	73	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL
	WJ R		1	Lithonia Lighting	DSXN4 LED 20C 100W 40K TFM MVOLT DB200	DSXN4 LED WITH 2 LIGHT ENGINE, 10 100W, 1050MA OVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	4050	7500	120V/277	73	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL
	WJ R		1	Lithonia Lighting	DSXN4 LED 20C 100W 40K TFM MVOLT DB200	DSXN4 LED WITH 2 LIGHT ENGINE, 10 100W, 1050MA OVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	4050	7500	120V/277	73	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL
	WJ R		1	Lithonia Lighting	DSXN4 LED 20C 100W 40K TFM MVOLT DB200	DSXN4 LED WITH 2 LIGHT ENGINE, 10 100W, 1050MA OVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	4050	7500	120V/277	73	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL
	WJ R		1	Lithonia Lighting	DSXN4 LED 20C 100W 40K TFM MVOLT DB200	DSXN4 LED WITH 2 LIGHT ENGINE, 10 100W, 1050MA OVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	4050	7500	120V/277	73	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL
	WJ R		1	Lithonia Lighting	DSXN4 LED 20C 100W 40K TFM MVOLT DB200	DSXN4 LED WITH 2 LIGHT ENGINE, 10 100W, 1050MA OVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	4050	7500	120V/277	73	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL
	WJ R		1	Lithonia Lighting	DSXN4 LED 20C 100W 40K TFM MVOLT DB200	DSXN4 LED WITH 2 LIGHT ENGINE, 10 100W, 1050MA OVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	4050	7500	120V/277	73	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL

Photometric Schedule							Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Plot
			6	EXISTING STREET LIGHT	EXISTING	EXISTING TO REMAIN	36	464	1	333	
	CITY XRM										
	XP1 HS N		1	COOPER LIGHTING SOLUTIONS - MCGRAW-HILL (FORMERLY EATON)	GLEON-SASC-740-U-1-THET-HIES	GALLEON AREA AND ROADWAY LUMINAIRE (S) TO DR. 4000K, 1050MA LIGHTSQUARES WITH 16 LEDES EACH AND TYPE V FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD	36	313	1	333	
	XP1 R		8	COOPER LIGHTING SOLUTIONS - MCGRAW-HILL (FORMERLY EATON)	GLEON-SASC-740-U-1-SWG	GALLEON AREA AND ROADWAY LUMINAIRE (S) TO DR. 4000K, 1050MA LIGHTSQUARES WITH 16 LEDES EACH AND TYPE V INDE OPTICS	36	464	1	333	
	XP1 XRM		3	COOPER LIGHTING SOLUTIONS - MCGRAW-HILL (FORMERLY EATON)	GLEON-SASC-740-U-1-SWG	GALLEON AREA AND ROADWAY LUMINAIRE (S) TO DR. 4000K, 1050MA LIGHTSQUARES WITH 16 LEDES EACH AND TYPE V INDE OPTICS	36	464	1	333	
	XP2 180 N		3	COOPER LIGHTING SOLUTIONS - MCGRAW-HILL (FORMERLY EATON)	GLEON-SASC-740-U-1-1NNE	GALLEON AREA AND ROADWAY LUMINAIRE (S) TO DR. 4000K, 1050MA LIGHTSQUARES WITH 16 LEDES EACH AND TYPE V INDE OPTICS	36	464	1	385	
	XP2 180 XRM		7	COOPER LIGHTING SOLUTIONS - MCGRAW-HILL (FORMERLY EATON)	GLEON-SASC-740-U-1-SWG	GALLEON AREA AND ROADWAY LUMINAIRE (S) TO DR. 4000K, 1050MA LIGHTSQUARES WITH 16 LEDES EACH AND TYPE V INDE OPTICS	36	464	1	385	
	XP2 XRM		1	RAB LIGHTING INC.	ALB13730FD1-D-ALB13730SP1-D-1-WP11331300D1-S-WP1231300D1-S-WP1231300D1-S (TYPE II)	CAST FINISHED METAL HOUSING, 4 CHP CN. 30W/40W LIGHT EMISSION UNITS, INSULATED PLASTIC HOPI FLECTOR WITH SPECULAR FINISH, CLEAR GLASS LENS IN CAST BRONZE PAINTED METAL FRAME.	4	3182	1	728.6	
	XP2 2 90H S R		7	COOPER LIGHTING SOLUTIONS - MCGRAW-HILL (FORMERLY EATON)	GLEON-SASC-740-U-1-THET-HIES	GALLEON AREA AND ROADWAY LUMINAIRE (S) TO DR. 4000K, 1050MA LIGHTSQUARES WITH 16 LEDES EACH AND TYPE V FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD	36	313	1	385	
	XP2 90 R		2	COOPER LIGHTING SOLUTIONS - MCGRAW-HILL (FORMERLY EATON)	GLEON-SASC-740-U-1-THET-HIES	GALLEON AREA AND ROADWAY LUMINAIRE (S) TO DR. 4000K, 1050MA LIGHTSQUARES WITH 16 LEDES EACH AND TYPE V FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD	36	313	1	385	
	XP3 R		3	COOPER LIGHTING SOLUTIONS - MCGRAW-HILL (FORMERLY EATON)	GLEON-SASC-740-U-1-SWG	GALLEON AREA AND ROADWAY LUMINAIRE (S) TO DR. 4000K, 1050MA LIGHTSQUARES WITH 16 LEDES EACH AND TYPE V INDE OPTICS	36	464	1	389	
	XP4 R		1	COOPER LIGHTING SOLUTIONS - MCGRAW-HILL (FORMERLY EATON)	GLEON-SASC-740-U-1-1NNE	GALLEON AREA AND ROADWAY LUMINAIRE (S) TO DR. 4000K, 1050MA LIGHTSQUARES WITH 16 LEDES EACH AND TYPE V INDE OPTICS	36	464	1	1332	
	WJ N		7	Lithonia Lighting	DSWGL LED 20C 1000 40C 17PM 129277	DSWGL LED WITH 2 LIGHT ENGINES, 20 LEED, 1000mA DRIVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	1	7593	1	73	
	WJ R		13	Lithonia Lighting	DSWGL LED 20C 1000 40C 17PM 129277	DSWGL LED WITH 2 LIGHT ENGINES, 20 LEED, 1000mA DRIVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	1	7593	1	73	
	XWP R		1	Wayne Lighting LLC	BL3-8-8-1-45W-46-50V	37" h x 1.26" w x 8" h LED LUMINAIRE	1	73414	1	505	
	XWD XRM		14	Wayne Lighting LLC	GDH-1-6-11-48C-3-4K-	26" h d x 17.5" h LED LUMINAIRE	1	7791	1	54	

Photometric Schedule											
Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Number Lensed	Lumens Per Lamp	Light Loss Factor	Wattage	Plot
	XF XRM		10	RAB Lighting Inc.		DD34-IR (03012) (V)	1	1173	1	15,354	
	XD XRM		5	RAB LIGHTING INC. RC LIGHTING	BLED4M-BLED4MND10-14Z SQUARE BOLLARDS, BLED4MND10	EXTRUDED BROWN PAINTED SQUARE METAL LOWER HOUSING. CAST METAL TOP. CAST FINISH METAL. HEAT ZONE WITH WHITE PAINTED ALUMINUM MOLDED SURFACES. FINISHED PLASTIC REFLECTOR WITH WHITE CORNER DIVIDERS. CREATING 4 OPTICAL COMPARTMENTS. 3 OPTICAL COMPARTMENT CONTAINS 1 WHITE CIRCUIT BOARD WITH 3 LEDs. FRIGATED PLASTIC LENS. CAST BROWN PAINTED METAL BOTTOM.	15	127	1	17.4	
	XWP 1 R		5	Lithonia Lighting	DE5WV1 LED 200-530 40K T17M 120277	DE5WV1 LED WITH 21:15 LED LIGHT ENGINES. TYP. T17M OPT.C. 4500K @ 50MA.	1	4360	1	34.9	
	BB XRM		21	Lithonia Lighting	DE5WV1 LED 200-530 40K T17M 120277	DE5WV1 LED WITH 21:15 LED LIGHT ENGINES. TYP. T17M OPT.C. 4500K @ 50MA.	1	4360	1	34.9	
	XWP N		1	Vishnu Lighting LLC	BLXK1-4-74-05L-4-K-UV	37 in L x 28 in W x 0 in H LED LUMINAIRE	1	73141	1	500	
	BB R		5	Lithonia Lighting	DE5WV1 LED 200-530 40K T17M 120277	DE5WV1 LED WITH 21:15 LED LIGHT ENGINES. TYP. T17M OPT.C. 4500K @ 50MA.	1	4360	1	34.9	
	XP2 R		4	COOPER LIGHTING SOLUTIONS - MAGRAW: DESIGN (FORMERLY EATON)	GLEON-SAGC74041-2W2	GALLEON AREA AND ROADWAY LUMINAIRE (0) TO GR. 4500K, 4500mA LIGHT SQUARES WITH 16 LEDs EACH AND TYPE V WIDE OPTICS	95	454	1	555	
	XP3 N		2	COOPER LIGHTING SOLUTIONS - MAGRAW: DESIGN (FORMERLY EATON)	GLEON-SAGC74041-2W2	GALLEON AREA AND ROADWAY LUMINAIRE (0) TO GR. 4500K, 4500mA LIGHT SQUARES WITH 16 LEDs EACH AND TYPE V WIDE OPTICS	95	454	1	555	
	XWP 2 R		4	Vishnu Lighting LLC	BLXK1-4-74-05L-4-K-UV	37 in L x 28 in W x 0 in H LED LUMINAIRE	1	81030	1	450	



I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

DATE: 4-22-22 REG. #: 25509
SIGNED: David S. Hove
DAVID S. HOVE

DRAWN BY: K. KUEHN
CHECKED BY: M. KEYS
DATE: 4-8-22

[illegible]

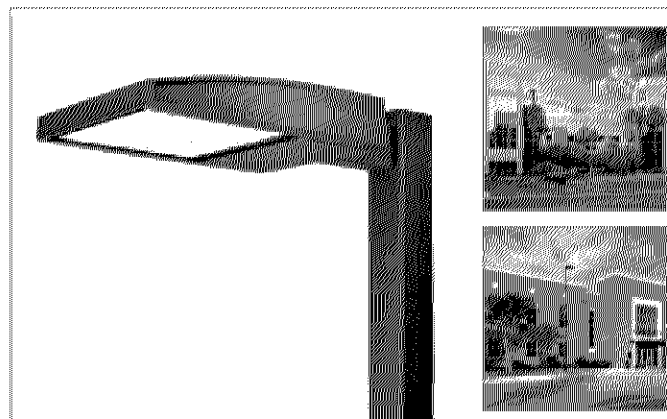
VALLEY WEST SHOPPING CENTER
SITE RELIGHTING
FRANCE AVENUE S & W OLD SHAKOPEE
BLOOMINGTON MN

LIGHT FIXTURE SCHEDULES

SCALE: 1"=50'-0"

E062

Project	Catalog #	GLEON- SA6C-740-U-5WQ-BZ	Type	XP1HS N
Prepared by	Notes	(1 HEAD) (R MEANS MOUNT ON EXISTING POLE)	Date	



McGraw-Edison GLEON Galleon

Area / Site Luminaire

Product Features



Product Certifications



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- Product Specifications [page 4](#)
- Energy and Performance Data [page 4](#)
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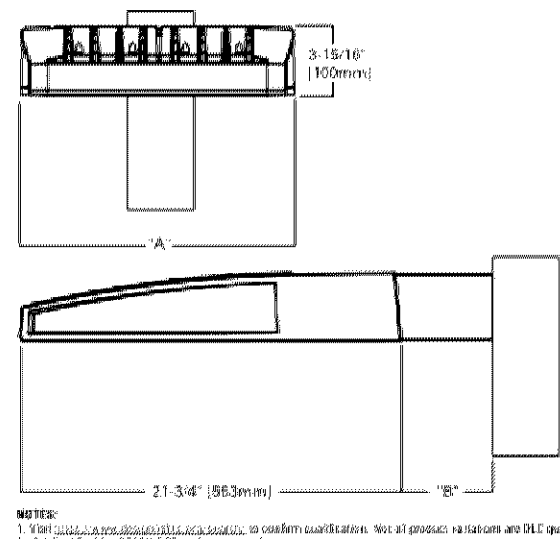
Quick Facts

- Lumen packages range from 4,200 - 80,800 (34W - 640W)
- Efficacy up to 156 lumens per watt
- Options to meet Buy American and other domestic preference requirements

Connected Systems

- WaveLink
- Enlighted

Dimensional Details



Number of Light Sources	W Width	H Height	T Total Depth	W Width	H Height	T Total Depth
1.4	15-1/2"	7"	13"	10-5/8"	16-9/16"	16-9/16"
5.6	21-5/8"	7"	13"	10-5/8"	16-9/16"	16-9/16"
7.8	27-5/8"	7"	13"	10-5/8"	-	-
9.10	33-3/4"	7"	16"	-	-	-

NOTES:
1. For details on mounting options, see Mounting Details section.
2. For details on mounting options, see Mounting Details section.

Ordering Information

SAMPLE NUMBER: GLEON-SA6C-740-U-T4FT-GM

Product Family	Light Output	Color Temperature	Voltage	Distribution	Mounting	Finish
SA6C-740-U-T4FT-GM	SA6C-740-U-T4FT-GM	4000K	120V	T4-10°	Black	Black

Options (Add as Suffix)	Options (Add as Suffix)	Options (Add as Suffix)
SA6C-740-U-T4FT-GM	SA6C-740-U-T4FT-GM	SA6C-740-U-T4FT-GM

Nominal Power (Watts)	1	2	3	4	5	6	7	8	9	10
Input Current @ 120V (A)	0.38	1.16	1.78	2.31	2.94	3.55	4.09	4.71	5.34	5.87

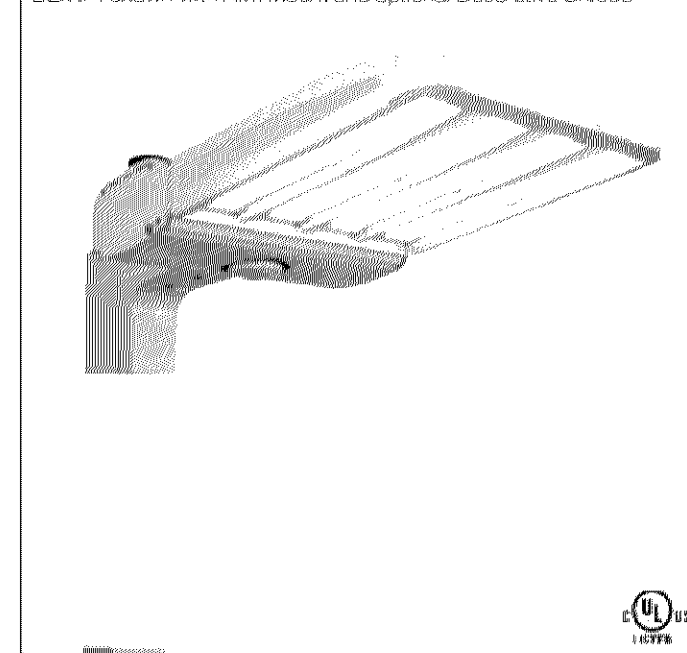
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Input Current @ 480V (A)	0.15	0.30	0.42	0.60	0.75	0.85	1.00	1.16	1.29	1.45
4000 Lumens	14,720	29,440	44,160	58,880	73,600	88,320	103,040	117,760	132,480	147,200

NOTES:
1. For details on mounting options, see Mounting Details section.
2. For details on mounting options, see Mounting Details section.

BLX-II ARRAY LED Specifications

BLX-II shown with Arm Mount and optional Decorative Shroud



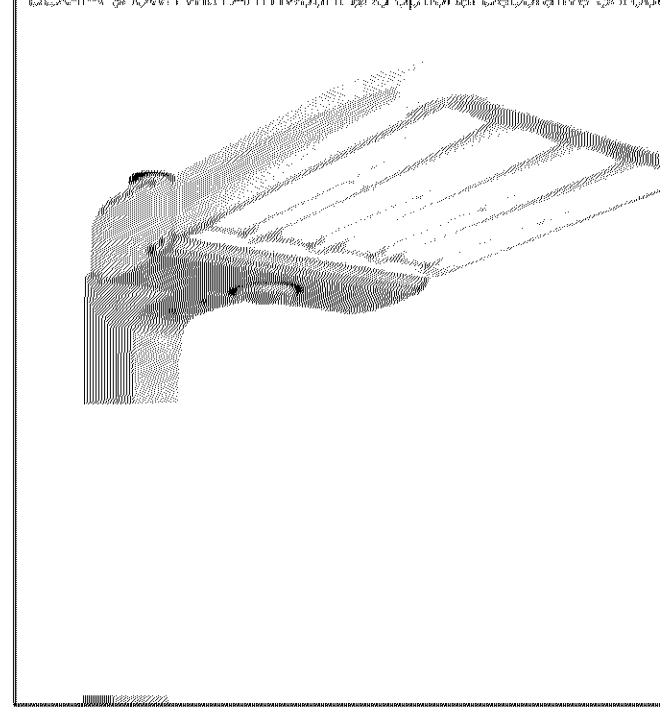
Ordering Information

MODEL	OPTICS	LUMENS	KELVIN	VOLTAGE	MOUNTING	MOUNTING	FINISH	OPTIONS	OPTIONS
BLX-II-3	T1 Type 1	20L	3K	UNV	PT	Post Top	Black	PCR-120	W5C-6

NOTES:
1. For details on mounting options, see Mounting Details section.
2. For details on mounting options, see Mounting Details section.

BLX-II ARRAY LED Specifications

BLX-II shown with Arm Mount and optional Decorative Shroud

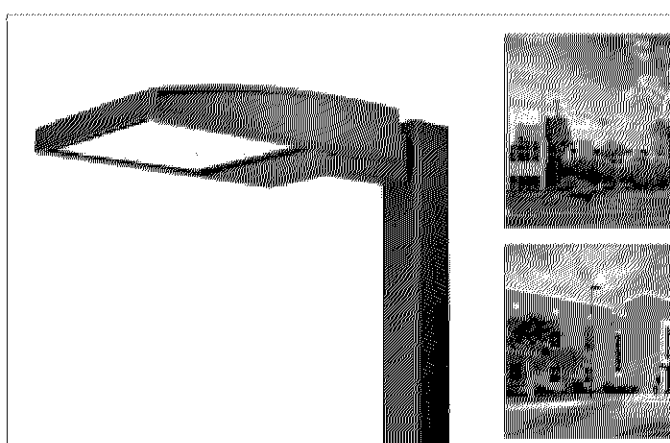


Ordering Information

MODEL	OPTICS	LUMENS	KELVIN	VOLTAGE	MOUNTING	MOUNTING	FINISH	OPTIONS	OPTIONS
BLX-II-3	T1 Type 1	20L	3K	UNV	PT	Post Top	Black	PCR-120	W5C-6

NOTES:
1. For details on mounting options, see Mounting Details section.
2. For details on mounting options, see Mounting Details section.

Project	Catalog #	GLEON- SA6C-740-U-5WQ-BZ	Type	XP1 R
Prepared by	Notes	(1 HEAD) (R MEANS MOUNT ON EXISTING POLE)	Date	



McGraw-Edison GLEON Galleon

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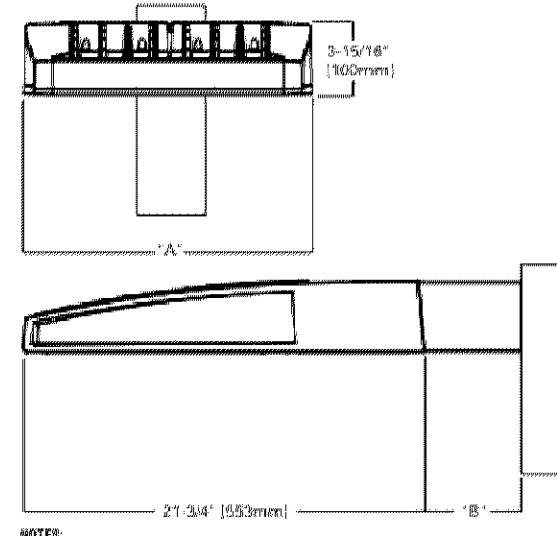
Quick Facts

- Lumen packages range from 4,200 - 80,800 (34W - 640W)
- Efficacy up to 156 lumens per watt
- Options to meet Buy American and other domestic preference requirements

Connected Systems

- WaveLink
- Enlighted

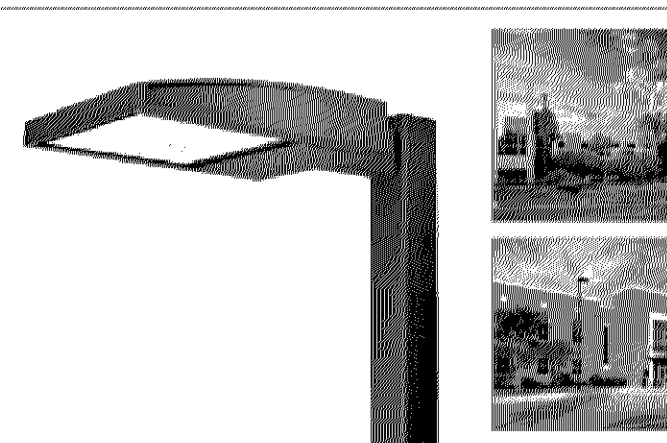
Dimensional Details



Number of Light Sources	W Width	H Height	T Total Depth	W Width	H Height	T Total Depth
1.4	15-1/2"	7"	13"	10-5/8"	16-9/16"	16-9/16"
5.6	21-5/8"	7"	13"	10-5/8"	16-9/16"	16-9/16"
7.8	27-5/8"	7"	13"	10-5/8"	-	-
9.10	33-3/4"	7"	16"	-	-	-

NOTES:
1. For details on mounting options, see Mounting Details section.
2. For details on mounting options, see Mounting Details section.

Project	Catalog #	GLEON- SA6C-740-U-5WQ-BZ	Type	XP2 R XP2-180 N
Prepared by	Notes	(2 HEADS) (N MEANS NEW) (R MEANS MOUNT ON EXISTING POLE)	Date	



McGraw-Edison GLEON Galleon

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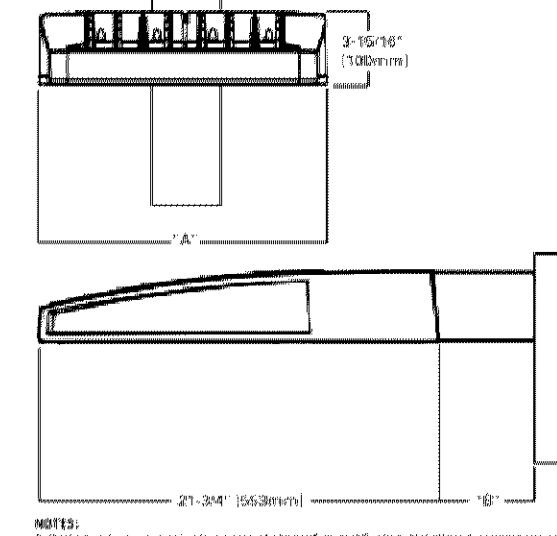
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- Efficacy up to 156 lumens per watt
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Connected Systems

- WaveLink
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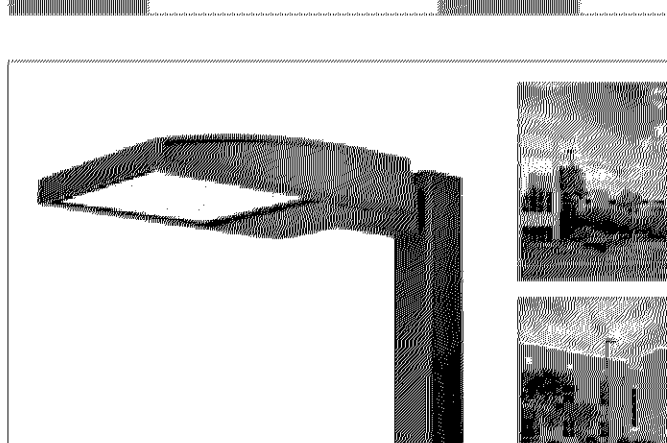
Dimensional Details



Number of Light Sources	W Width	H Height	T Total Depth	W Width	H Height	T Total Depth
1.4	15-1/2"	7"	13"	10-5/8"	16-9/16"	16-9/16"
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7.8	27-5/8"	7"	13"	10-5/8"	-	-
9.10	33-3/4"	7"	16"	-	-	-

NOTES:
1. For details on mounting options, see Mounting Details section.
2. For details on mounting options, see Mounting Details section.

Project	Catalog #	GLEON- SA6C-740-U-5WQ-QMEA-BZ	Type	XP3 N & XP3 R
Prepared by	Notes	(3 HEADS) (N MEANS NEW) (R MEANS MOUNT ON EXISTING POLE)	Date	



McGraw-Edison GLEON Galleon

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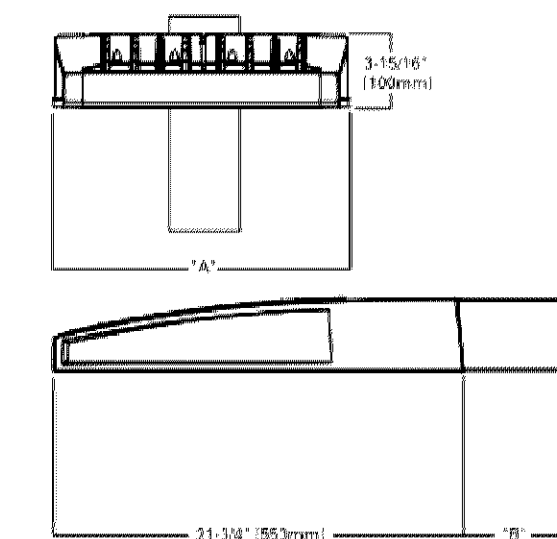
Quick Facts

- Lumen packages range from 4,200 - 80,800 (34W - 640W)
- Efficacy up to 156 lumens per watt
- Options to meet Buy American and other domestic preference requirements

Connected Systems

- WaveLink
- Enlighted

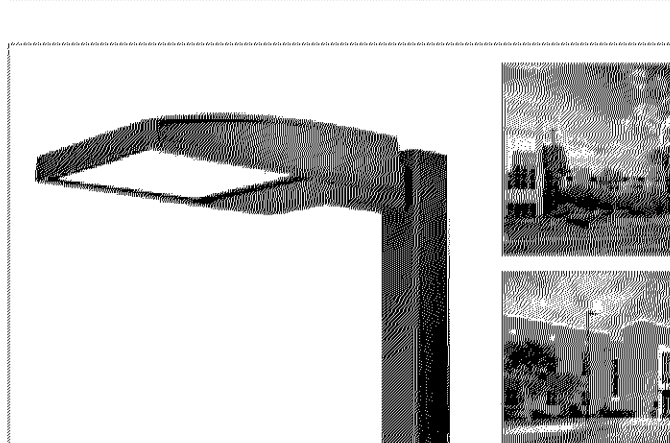
Dimensional Details



Number of Light Sources	W Width	H Height	T Total Depth	W Width	H Height	T Total Depth
1.4	15-1/2"	7"	13"	10-5/8"	16-9/16"	16-9/16"
5.6	21-5/8"	7"	13"	10-5/8"	16-9/16"	16-9/16"
7.8	27-5/8"	7"	13"	10-5/8"	-	-
9.10	33-3/4"	7"	16"	-	-	-

NOTES:
1. For details on mounting options, see Mounting Details section.
2. For details on mounting options, see Mounting Details section.

Project	Catalog #	GLEON- SA6C-740-U-5WQ-QMEA-BZ	Type	XP4 R
Prepared by	Notes	(4 HEADS) (R MEANS MOUNT ON EXISTING POLE)	Date	



McGraw-Edison GLEON Galleon

Area / Site Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3](#)
- Optical Distributions [page 4](#)
- Product Specifications [page 4](#)
- Energy and Performance Data [page 4](#)
- Control Options [page 4](#)

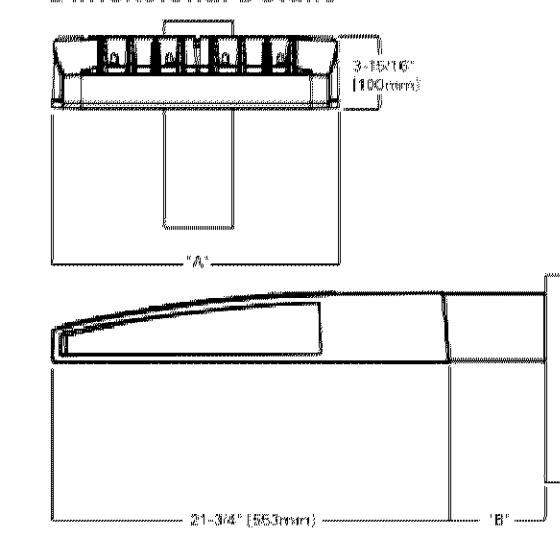
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2. For details on mounting options, see Mounting Details section.

Product Family	Light Output	Color Temperature	Voltage	Distribution	Mounting	Finish
SA6C-740-U-T4FT-GM	SA6C-740-U-T4FT-GM	4000K	120V	T4-10°	Black	Black

Input Current @ 120V (A)	0.38	1.16	1.78	2.31	2.94	3.55	4.09	4.71	5.34	5.87
Input Current @ 240V (A)	0.24	0.83	0.80	1.30	1.35	1.41	1.50	1.58	1.67	1.75
Input Current @ 277V (A)	0.25	0.98	0.70	0.76	1.19	1.29	1.44	1.50	2.09	2.36
Input Current @ 480V (A)	0.15	0.30	0.42	0.60	0.75	0.85	1.00	1.16	1.29	1.45

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I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

DATE: 4-22-22
DRAWN BY: K. KUEHN
CHECKED BY: M. KEYS
DATE: 4-22-22
JOB NUMBER:
FILE NUMBER:

REVISIONS

#	DATE	DESCRIPTION
1	4-22-22	PERMIT SET
2	12-14-22	PROGRESS SET

VALLEY WEST SHOPPING CENTER
SITE RELIGHTING
FRANCE AVENUE S & W OLD SHAKOPEE
BLOOMINGTON MN

FIXTURE CUTS

SCALE: NO SCALE

E063

