



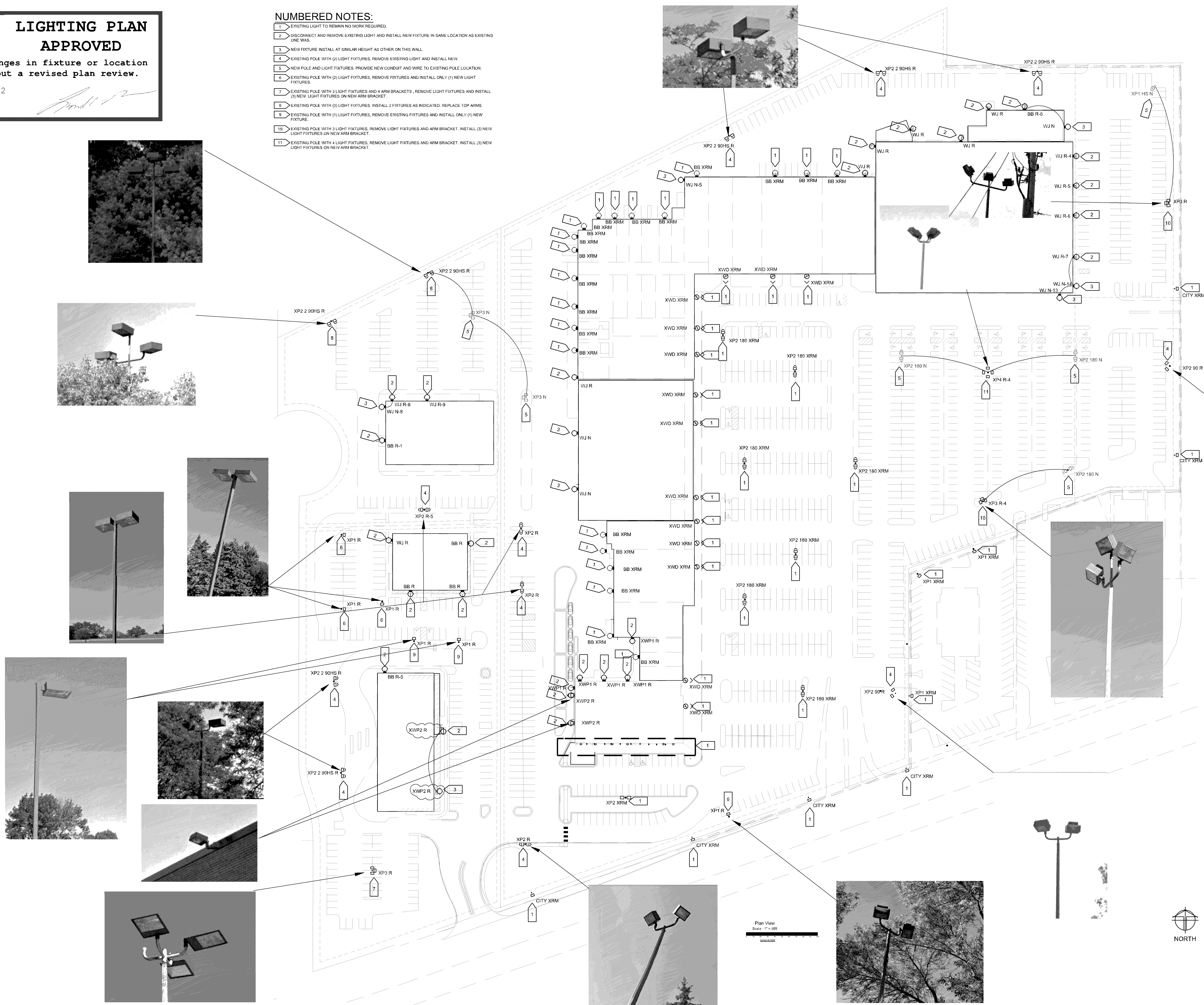
**LIGHTING PLAN
APPROVED**

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.



Collins
ELECTRICAL + TECHNOLOGY
Collins Electrical Construction Co.
278 State Street
St. Paul, Minnesota 55107-1679
Telephone (651) 224-2833
Fax (651) 292-0359
www.collinsmn.com

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
JOB NUMBER:
FILE NAME:

REVISIONS		
#	DATE	
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

PHOTOMETRIC PLAN
MAINTAINED
LEVEL AT 0.81

SCALE: 1"=50'-0"

E050

Make S.A.F.E.T.Y. a part of every plan

Luminaire Locations						
No.	Label	K	Y	Z	MM	Orientation
1	WJ R	42759.96	9777.07	12.00	12.00	270.00
4	WJ R	43040.71	9763.31	16.00	16.00	90.00
5	WJ R	43040.71	9762.06	16.00	16.00	90.00
6	WJ R	43040.71	9762.06	16.00	16.00	90.00
7	WJ R	43040.71	9762.06	16.00	16.00	90.00
8	WJ R	42985.03	9420.14	18.00	18.00	0.00
9	WJ R	42134.53	9420.06	18.00	18.00	0.00
4	XP2 2 90HS R	42014.30	9897.53	28.00	28.00	89.36
5	XP2 2 90HS R	42003.84	9526.00	28.00	28.00	88.84
10	XP2 2 90HS R	42558.05	8791.75	28.00	28.00	151.98
2	XP2 90 R	42791.97	9009.21	28.00	28.00	233.11
4	XP2 90 R	42176.72	9188.80	28.00	28.00	222.84
4	XP1 R	42116.35	9052.48	24.00	24.00	0.00
4	XP1 R	42170.18	9081.22	24.00	24.00	0.00
4	XP2 R	42914.65	9278.75	28.00	28.00	243.11
4	XP1 R	42951.52	9450.71	32.00	32.00	0.00
2	XP1 XRM	42811.21	9055.52	28.00	28.00	88.61
1	XP2 XRM	42413.11	8862.78	35.00	35.00	90.00
1	XP2 XRM-1	42417.70	8862.78	35.00	35.00	90.00
1	XP2 XRM-2	42428.25	8862.78	35.00	35.00	270.00
1	XP2 XRM	42359.28	8939.03	3.50	3.50	180.00
2	XP2 XRM	42370.88	8939.03	3.50	3.50	180.00
3	XP2 XRM	42384.45	8939.03	3.50	3.50	180.00
4	XP2 XRM	42415.91	8939.03	3.50	3.50	180.00
5	XP2 XRM	42460.13	8939.03	3.50	3.50	180.00
5	XP2 XRM	42456.30	8939.03	3.50	3.50	180.00
1	XP2 XRM	42582.72	8939.12	18.00	18.00	180.00
2	XP2 XRM	42593.15	8939.12	18.00	18.00	180.00
3	XP2 XRM	42635.88	8939.12	18.00	18.00	180.00
4	XP2 XRM	42692.91	8939.12	18.00	18.00	180.00
5	XP2 XRM	42665.97	8939.12	18.00	18.00	180.00
6	XP2 XRM	42642.41	8939.12	18.00	18.00	180.00
7	XP2 XRM	42433.45	8939.12	18.00	18.00	180.00
8	XP2 XRM	42445.25	8939.39	18.00	18.00	180.00
9	XP2 XRM	42464.73	8939.39	18.00	18.00	180.00
10	XP2 XRM	42445.75	8939.81	18.00	18.00	180.00
1	XWD XRM	42967.45	9597.80	12.00	12.00	179.67
2	XWD XRM	42918.88	9597.80	12.00	12.00	179.67
3	XWD XRM	42563.54	9597.80	12.00	12.00	179.67
4	XWD XRM	42593.03	9566.20	12.00	12.00	89.82
5	XWD XRM	42593.03	9566.20	12.00	12.00	89.82
6	XWD XRM	42593.03	9566.20	12.00	12.00	89.82
7	XWD XRM	42593.03	9566.20	12.00	12.00	89.82
8	XWD XRM	42593.03	9566.20	12.00	12.00	89.82
9	XWD XRM	42593.03	9566.20	12.00	12.00	89.82
10	XWD XRM	42593.03	9566.20	12.00	12.00	89.82
11	XWD XRM	42593.03	9566.20	12.00	12.00	89.82
12	XWD XRM	42593.03	9566.20	12.00	12.00	89.82
13	XWD XRM	42593.03	9566.20	12.00	12.00	89.82
1	XWP1 R	42418.99	9025.85	12.00	12.00	0.00
2	XWP1 R	42418.99	9025.85	12.00	12.00	0.00
3	XWP1 R	42418.99	9025.85	12.00	12.00	0.00
1	BB XRM	42513.05	9734.00	8.00	8.00	0.00
2	BB XRM	42513.05	9734.00	10.00	10.00	0.00
3	BB XRM	42668.00	9734.00	10.00	10.00	0.00
4	BB XRM	42710.00	9734.00	10.00	10.00	0.00
5	BB XRM	42648.00	9675.00	8.00	8.00	0.00
6	BB XRM	42422.00	9674.87	14.00	14.00	0.00
7	BB XRM	42398.00	9675.00	14.00	14.00	0.00
8	BB XRM	42398.00	9659.00	14.00	14.00	0.00
9	BB XRM	42346.45	9659.39	10.00	10.00	270.00
10	BB XRM	42346.45	9659.82	10.00	10.00	270.00
11	BB XRM	42346.45	9659.82	10.00	10.00	270.00
12	BB XRM	42346.45	9659.82	10.00	10.00	270.00
13	BB XRM	42346.45	9659.82	10.00	10.00	270.00
14	BB XRM	42346.45	9659.82	10.00	10.00	270.00
15	BB XRM	42346.45	9659.82	10.00	10.00	270.00
16	BB XRM	42346.45	9659.82	10.00	10.00	270.00
17	BB XRM	42346.45	9659.82	10.00	10.00	270.00
18	BB XRM	42346.45	9659.82	10.00	10.00	270.00
19	BB XRM	42346.45	9659.82	10.00	10.00	270.00
20	BB XRM	42346.45	9659.82	10.00	10.00	270.00
21	BB XRM	42346.45	9659.82	10.00	10.00	270.00
22	BB XRM	42346.45	9659.82	10.00	10.00	270.00
23	BB XRM	42346.45	9659.82	10.00	10.00	270.00
24	BB XRM	42346.45	9659.82	10.00	10.00	270.00
25	BB XRM	42346.45	9659.82	10.00	10.00	270.00
26	BB XRM	42346.45	9659.82	10.00	10.00	270.00
27	BB XRM	42346.45	9659.82	10.00	10.00	270.00
28	BB XRM	42346.45	9659.82	10.00	10.00	270.00
29	BB XRM	42346.45	9659.82	10.00	10.00	270.00
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33	BB XRM	42346.45	9659.82	10.00	10.00	270.00
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53	BB XRM	42346.45	9659.82	10.00	10.00	270.00
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63	BB XRM	42346.45	9659.82	10.00	10.00	270.00
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65	BB XRM	42346.45	9659.82	10.00	10.00	270.00
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84	BB XRM	42346.45	9659.82	10.00	10.00	270.00
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87	BB XRM	42346.45	9659.82	10.00	10.00	270.00
88	BB XRM	42346.45	9659.82	10.00	10.00	270.00
89	BB XRM	42346.45	9659.82	10.00	10.00	270.00
90	BB XRM	42346.45	9659.82	10.00	10.00	270.00
91	BB XRM	42346.45	9659.82	10.00	10.00	270.00
92	BB XRM	42346.45	9659.82	10.00	10.00	270.00
93	BB XRM	42346.45	9659.82	10.00	10.00	270.00
94	BB XRM	42346.45	9659.82	10.00	10.00	270.00
95	BB XRM	42346.45	9659.82	10.00	10.00	270.00
96	BB XRM	42346.45	9659.82	10.00	10.00	270.00
97	BB XRM	42346.45	9659.82	10.00	10.00	270.00
98	BB XRM	42346.45	9659.82	10.00	10.00	270.00
99	BB XRM	42346.45	9659.82	10.00	10.00	270.00
100	BB XRM	42346.45	9659.82	10.00	10.00	270.00

Luminaire Locations						
		Location				
19	XP2 180 N	42890.24	9482.92	28.00	28.00	0.00
	XP2 180 N-1	42890.24	9486.05	28.00	28.00	0.00
	XP2 180 N-2	42890.24	9479.15	28.00	28.00	180.00
20	XP2 180 N	42844.48	9483.19	24.00	24.00	0.00
	XP2 180 N-1	42844.48	9484.94	24.00	24.00	0.00
	XP2 180 N-2	42844.48	9473.44	24.00	24.00	180.00
6	XP2 180 XRM	42890.06	9140.85	28.00	28.00	0.00
	XP2 180 XRM-1	42890.06	9144.60	28.00	28.00	0.00
	XP2 180 XRM-2	42890.06	9137.10	28.00	28.00	180.00
2	XP2 R	42287.81	9157.83	25.00	25.00	180.00
	XP2 R-1	42287.81	9154.08	25.00	25.00	180.00
	XP2 R-2	42287.81	9161.58	25.00	25.00	0.00
3	XP2 R	42596.53	9269.71	24.00	24.00	180.00
	XP2 R-1	42596.53	9266.86	24.00	24.00	180.00
	XP2 R-2	42596.53	9244.46	24.00	24.00	0.00
2	XP2 N	42273.50	9434.52	33.00	33.00	180.00
	XP2 N-1	42273.50	9439.77	33.00	33.00	180.00
	XP2 N-2	42268.75	9424.52	33.00	33.00	270.00
3	XP2 N-3	42273.50	9438.27	33.00	33.00	0.00
	XP2 N	42188.96	9533.08	28.00	28.00	180.00
	XP2 N-1	42188.96	9535.83	28.00	28.00	180.00
	XP2 N-2	42193.21	9533.08	28.00	28.00	270.00
	XP2 N-3	42188.96	9543.42	28.00	28.00	0.00
7	XP2 R	43174.92	9697.51	28.00	28.00	178.28
	XP2 R-1	43174.92	9693.56	28.00	28.00	178.28
	XP2 R-2	43171.17	9697.26	28.00	28.00	268.28
	XP2 R-3	43174.08	9701.06	28.00	28.00	358.28
21	XP2 180 N	42693.34	9233.05	28.00	28.00	61.38
	XP2 180 N-1	42693.59	9231.37	28.00	28.00	243.38
4	XP2 R	42272.33	9397.31	28.00	28.00	269.88
	XP2 R-1	42266.58	9397.30	28.00	28.00	269.88
	XP2 R-2	42272.08	9397.32	28.00	28.00	83.88
5	XP2 R	42190.84	9507.06	34.00	34.00	90.00
	XP2 R-1	42184.59	9507.86	34.00	34.00	90.00
	XP2 R-2	42127.09	9507.06	24.00	24.00	270.00
14	WU N	43640.80	9581.13	12.00	12.00	90.00
7	XP2 180 XRM	42735.65	9332.12	28.00	28.00	0.00
	XP2 180 XRM-1	42735.65	9335.07	28.00	28.00	0.00
	XP2 180 XRM-2	42735.65	9328.37	28.00	28.00	180.00
5	WXP2 R	42341.88	9616.76	14.00	14.00	270.00
1	WXP2 R	42341.69	9397.48	30.00	30.00	270.00
4	WXP2 R	42341.69	9396.94	40.00	40.00	270.00
2	WXP2 R	42150.54	9566.91	40.00	40.00	90.00
4	WXP2 R	42144.57	9581.97	40.00	40.00	90.00
2						

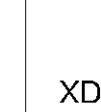
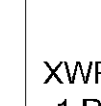
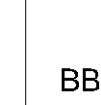
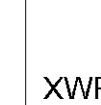
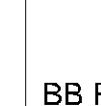
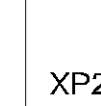
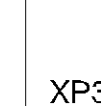
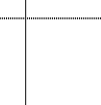
Make SAFETY a part of every plan

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	8556.20	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	42614.15	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	42382.92	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	42448.94	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	42345.44	8551.12	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	42375.15	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	42386.68	8184.95	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	42589.05	8185.83	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	42445.05	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
18	XP2 2 80HS R	42140.67	9000.29	20.00	20.00	151.98	0.00
19	XP2 2 80HS R	42000.08	9531.48	20.00	20.00	151.98	0.00
20	XP2 2 80HS R	41996.61	9538.04	20.00	20.00	151.98	0.00
21	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
6	WJ N	42876.05	8411.61	10.00	10.00	270.00	0.00
9	WJ N	42028.52	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	0.00	0.00
1	XP1 R-1	42057.71	8784.24	20.00	20.00	0.00	0.00
1	XP1 R-2	42061.45	8786.48	20.00	20.00	30.14	0.00
1	XP1 R-3	42057.68	8756.74	20.00	20.00	180.14	0.00
1	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	8194.95	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	42580.05	9331.85	20.00	20.00	0.00	0.00
1	XP2 180 XRM-1	42580.06	9336.60	20.00	20.00	0.00	0.00
1	XP2 180 XRM-2	42580.06	9328.10	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	9204.99	20.00	20.00	0.00	0.00
1	XP2 180 XRM-1	42651.69	9208.44	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	8537.86	10.00	10.00	380.00	0.00
6	BB R	42072.81	8527.84	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
	XP2 180 N-1	42803.24	9482.90	20.00	20.00	0.00	0.00
	XP2 180 N-2	42803.24	9479.15	20.00	20.00	180.00	0.00
	XP2 180 N	43044.48	9483.19	24.00	24.00	0.00	0.00
20	XP2 180 N	43044.48	9483.19	24.00	24.00	0.00	0.00
	XP2 180 N-1	43044.48	9483.19	24.00	24.00	0.00	0.00
	XP2 180 N-2	43044.48	9479.44	24.00	24.00	180.00	0.00
	XP2 180 XRM	42589.05	9140.85	20.00	20.00	0.00	0.00
6	XP2 180 XRM	42589.05	9140.85	20.00	20.00	0.00	0.00
	XP2 180 XRM-1	42589.05	9144.60	20.00	20.00	0.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
2	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
2	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
3	XP2 180 XRM-2	42589.05	9137.10	20.00	20.00	180.00	0.00
	XP2 180 XRM-2	42589.05	9137				

Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Lume Cost	Lumens Per Lamp	Voltage	Wattage	Notes
	XP1 HS N		1	COOPER LIGHTING SOLUTIONS - MCGRAW HILL (FORMERLY EATON)	GLEEK-SAG-14N4-L-TPFT-HSG-62 NEW 30 SQUARE POLE	GALLERIE AREA AND ROADWAY LUMINAIRE (B) TO CR. 400K, 1550MA LIGHTSQUAURES WITH 14 LEDES EACH AND TYPE IV FORWARD THROW OPTICS WITH INCLUDE SIDE SHIELD.	4050	313	120V/277	330	
	XP1 R		5	COOPER LIGHTING SOLUTIONS - MCGRAW HILL (FORMERLY EATON)	GLEEK-SAG-14N4-L-300002	GALLERIE AREA AND ROADWAY LUMINAIRE (B) TO CR. 400K, 1550MA LIGHTSQUAURES WITH 14 LEDES EACH AND TYPE IV FORWARD THROW OPTICS WITH INCLUDE SIDE SHIELD.	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-14S1-L-300002 NEW 20 SQUARE POLE 2 @ 180DEG	GALLERIE AREA AND ROADWAY LUMINAIRE (B) TO CR. 400K, 1550MA LIGHTSQUAURES WITH 14 LEDES EACH AND TYPE IV FORWARD THROW OPTICS WITH INCLUDE SIDE SHIELD.	4050	464	120V/277	366	
	XP2 2 90H S R		7	COOPER LIGHTING SOLUTIONS - MCGRAW HILL (FORMERLY EATON)	G1 GLEEK-SAG-14S1-L-TPFT-HSG-62 NEW MOUNTING ARM 2 @ 90 DEG ON EXISTO SQUARE POLE	GALLERIE AREA AND ROADWAY LUMINAIRE (B) TO CR. 400K, 1550MA LIGHTSQUAURES WITH 14 LEDES EACH AND TYPE IV FORWARD THROW OPTICS WITH INCLUDE SIDE SHIELD.	4050	313	120V/277	366	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING POLE.
	XP2 90 R		2	COOPER LIGHTING SOLUTIONS - MCGRAW HILL (FORMERLY EATON)	G1 GLEEK-SAG-14S1-L-TPFT-HSG-62 NEW MOUNTING ARM 2 @ 90 DEG ON EXISTO SQUARE POLE	GALLERIE AREA AND ROADWAY LUMINAIRE (B) TO CR. 400K, 1550MA LIGHTSQUAURES WITH 14 LEDES EACH AND TYPE IV FORWARD THROW OPTICS WITH INCLUDE SIDE SHIELD.	4050	313	120V/277	366	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING POLE.
	XP3 R		3	COOPER LIGHTING SOLUTIONS - MCGRAW HILL (FORMERLY EATON)	G1 GLEEK-SAG-14S1-L-300002-OMEGA EXISTO SQUARE POLE	GALLERIE AREA AND ROADWAY LUMINAIRE (B) TO CR. 400K, 1550MA LIGHTSQUAURES WITH 14 LEDES EACH AND TYPE IV FORWARD THROW OPTICS WITH INCLUDE SIDE SHIELD.	4050	464	120V/277	366	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING POLE.
	XP4 R		1	COOPER LIGHTING SOLUTIONS - MCGRAW HILL (FORMERLY EATON)	G1 GLEEK-SAG-14S1-L-300002-OMEGA 4 @ 90 DEG ON EXISTO SQUARE POLE	GALLERIE AREA AND ROADWAY LUMINAIRE (B) TO CR. 400K, 1550MA LIGHTSQUAURES WITH 14 LEDES EACH AND TYPE IV FORWARD THROW OPTICS WITH INCLUDE SIDE SHIELD.	4050	464	120V/277	333	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING POLE.
	WJ N		7	Lithonia Lighting	DSXN4 LED 20C 100W 48K TPTM 180VOLT D0800	DSXN4 LED WITH 2 LIGHT ENGINES, 10 180W, 1050MA OVERDR, 4000K LED, TYPE FORWARD THROW MED-LM OPTIC.	4050	7500	120V/277	73	
	WJ R		13	Lithonia Lighting	DSXN4 LED 20C 100W 48K TPTM 180VOLT D0800	DSXN4 LED WITH 2 LIGHT ENGINES, 10 180W, 1050MA OVERDR, 4000K LED, TYPE FORWARD THROW MED-LM OPTIC.	4050	7500	120V/277	73	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL.
	XWP R		1	Vissman Lighting LLC	BLX-14-T4-60L-4K-40V-PT-62	37" L x 28" W x 8" H LED LUMINAIRE	4050	73141	120V/277	308	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL.
	XWP 1 R		5	Lithonia Lighting	DSXN4 LED 20C 100W 48K TPTM 180VOLT D0800 W80W-XL	DSXN4 LED WITH 2 10 LED LIGHT ENGINES, TYPE TPTM OPTIC, 4000K, @ 50WVA	4050	4350	120V/277	34.9	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL.
	XWP N		1	Vissman Lighting LLC	BLX-14-T4-60L-4K-40V-PT-62	37" L x 28" W x 8" H LED LUMINAIRE	4050	73141	120V/277	308	
	BB R		8	Lithonia Lighting	DSXN4 LED 20C 130 48K TPTM 180VOLT D0800	DSXN4 LED WITH 2 10 LED LIGHT ENGINES, TYPE TPTM OPTIC, 4000K, @ 50WVA	4050	4350	120V/277	34.9	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL.
	XP2 R		4	COOPER LIGHTING SOLUTIONS - MCGRAW HILL (FORMERLY EATON)	G1 GLEEK-SAG-14S1-L-300002 ON EXISTO SQUARE POLE	GALLERIE AREA AND ROADWAY LUMINAIRE (B) TO CR. 400K, 1550MA LIGHTSQUAURES WITH 14 LEDES EACH AND TYPE IV FORWARD THROW OPTICS WITH INCLUDE SIDE SHIELD.	4050	464	120V/277	366	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING POLE.
	XP3 N		2	COOPER LIGHTING SOLUTIONS - MCGRAW HILL (FORMERLY EATON)	G1 GLEEK-SAG-14S1-L-300002 1 NEW 20 SQUARE POLE 1) NEW 20 SQUARE POLE TYPE	GALLERIE AREA AND ROADWAY LUMINAIRE (B) TO CR. 400K, 1550MA LIGHTSQUAURES WITH 14 LEDES EACH AND TYPE IV FORWARD THROW OPTICS WITH INCLUDE SIDE SHIELD.	4050	464	120V/277	366	
	XWP 2 R		2	Vissman Lighting LLC	BLX-14-T4-60L-4K-40V-PT-62	37" L x 17" W x 8" H LED LUMINAIRE	4050	5103	120V/277	406	REMOVE EXISTING LIGHTS AND INSTALL NEW ON EXISTING WALL.

Photometric Schedule											
Symbol	Label	Height	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Plot
	CITY XRM		6	EXISTING STREET LIGHT	EXISTING	EXISTING TO REMAIN	36	464	1	333	
	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, 10500A LIGHTSQUARES WITH 16 LEDES EACH AND TYPE V FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD	36	313	1	333	
	XP1 R		6	COOPER LIGHTING SOLUTIONS - MCGRAW-HILL (FORMERLY EATON)	GLEON-SASC-740-U-SWG	GALLEON AREA AND ROADWAY LUMINAIRE (S) TO DR. 4000K, 10500A LIGHTSQUARES WITH 16 LEDES EACH AND TYPE V VINE OPTICS	36	464	1	333	
	XP1 XRM		3	COOPER LIGHTING SOLUTIONS - MCGRAW-HILL (FORMERLY EATON)	GLEON-SASC-740-U-SWG	GALLEON AREA AND ROADWAY LUMINAIRE (S) TO DR. 4000K, 10500A LIGHTSQUARES WITH 16 LEDES EACH AND TYPE V VINE 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, 10500A LIGHTSQUARES WITH 16 LEDES EACH AND TYPE V VINE OPTICS	36	464	1	385	
	XP2 180 XRM		7	COOPER LIGHTING SOLUTIONS - MCGRAW-HILL (FORMERLY EATON)	GLEON-SASC-740-U-SWG	GALLEON AREA AND ROADWAY LUMINAIRE (S) TO DR. 4000K, 10500A LIGHTSQUARES WITH 16 LEDES EACH AND TYPE V VINE OPTICS	36	464	1	385	
	XP2 XRM		1	RAB LIGHTING INC.	ALB1373070-D-1-ALB1373070-D-1-1W11331300D15-1W12013070X10 (TYPE II)	CAST FINISHED METAL HOUSING, 4 CHP CN BAND LIGHT EMISSION UNITS, HOUSING PLASTIC RPI 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, 10500A 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, 10500A 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-SWG	GALLEON AREA AND ROADWAY LUMINAIRE (S) TO DR. 4000K, 10500A LIGHTSQUARES WITH 16 LEDES EACH AND TYPE V VINE 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, 10500A LIGHTSQUARES WITH 16 LEDES EACH AND TYPE V VINE OPTICS	36	464	1	1332	
	WJ N		7	Lithonia Lighting	DSWGL LED 20C 1900 40C 197M 129277	DSWGL LED WITH 2 LIGHT ENGINES, 20 LEED, 1900A DRIVER, HOOD LED, TYPE FORWARD THROW MEDIUM OPTIC	1	7593	1	73	
	WJ R		13	Lithonia Lighting	DSWGL LED 20C 1900 40C 197M 129277	DSWGL LED WITH 2 LIGHT ENGINES, 20 LEED, 1900A DRIVER, HOOD LED, TYPE FORWARD THROW MEDIUM OPTIC	1	7593	1	73	
	XWP R		1	Wayne Lighting LLC	BL3-8-8-1-45W-46-50WV	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 Lumens	Light Loss Factor	Wattage	Feet
	XF XRM		10	RAB Lighting Inc.		GR34-R (R80) 120V	1	1173	1	15,3054
	XD XRM		5	RAB LIGHTING INC. RG LIGHTING	BLEED-IN BLEED-110 142" SQUARE SQUARE/VEILED/LED 10	EXTRUDED BROWN PAINTED SQUARE METAL LOWER HOUSING. CAST METAL TOP. CAST FINISHED METAL. REAR 50MM. SPECULAR FINISHED PLASTIC REFLECTOR WITH WHITE CURVED COVER. CREATING 4 OPTICAL COMPARTMENTS. 3 OPTICAL COMPARTMENT COMPARE 1 WHITE CIRCUIT BOARD WITH 3 LEDs. FROSTED PLASTIC LENS. CAST BROWN PAINTED METAL BOTTOM.	15	127	1	17.4
	XWP 1 R		5	Lithonia Lighting	DSXWY LED 200 530 40K TFFM 120/27	DSXWY LED WITH 12 10 LED LIGHT ENGINEES. TYPE TFFM OPTIC. 4000K. @ 530mA.	1	4369	1	34.9
	BB XRM		21	Lithonia Lighting	DSXWY LED 200 530 40K TFFM 120/27	DSXWY LED WITH 12 10 LED LIGHT ENGINEES. TYPE TFFM OPTIC. 4000K. @ 530mA.	1	4369	1	34.9
	XWP N		1	Vistalume Lighting LLC	BLX3-4-74-05-4-6-INV	37" H x 28" W x 4" H LED LUMINAIRE	1	73441	1	508
	BB R		5	Lithonia Lighting	DSXWY LED 200 530 40K TFFM 120/27	DSXWY LED WITH 12 10 LED LIGHT ENGINEES. TYPE TFFM OPTIC. 4000K. @ 530mA.	1	4369	1	34.9
	XP2 R		4	COOPER LIGHTING SOLUTIONS - MORGAN EATON (FORMERLY EATON)	GLEDEN-SAIC-740-U- 2W0	GALLEON AREA AND ROADWAY LUMINAIRE 15 TO 20' 4000K 1050mA LIGHT SQUARES WITH 16 LEDs EACH AND TYPE V WIDE OPTICS	95	464	1	595
	XP3 N		2	COOPER LIGHTING SOLUTIONS - MORGAN EATON (FORMERLY EATON)	GLEDEN-SAIC-740-U- 2W0	GALLEON AREA AND ROADWAY LUMINAIRE 15 TO 20' 4000K 1050mA LIGHT SQUARES WITH 16 LEDs EACH AND TYPE V WIDE OPTICS	95	464	1	595
	XWP 2 R	4 2 		Vistalume Lighting LLC	BLX3-4-74-05-4-6-INV	37" H x 27" W x 4" H LED LUMINAIRE	1	61039	1	456



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

