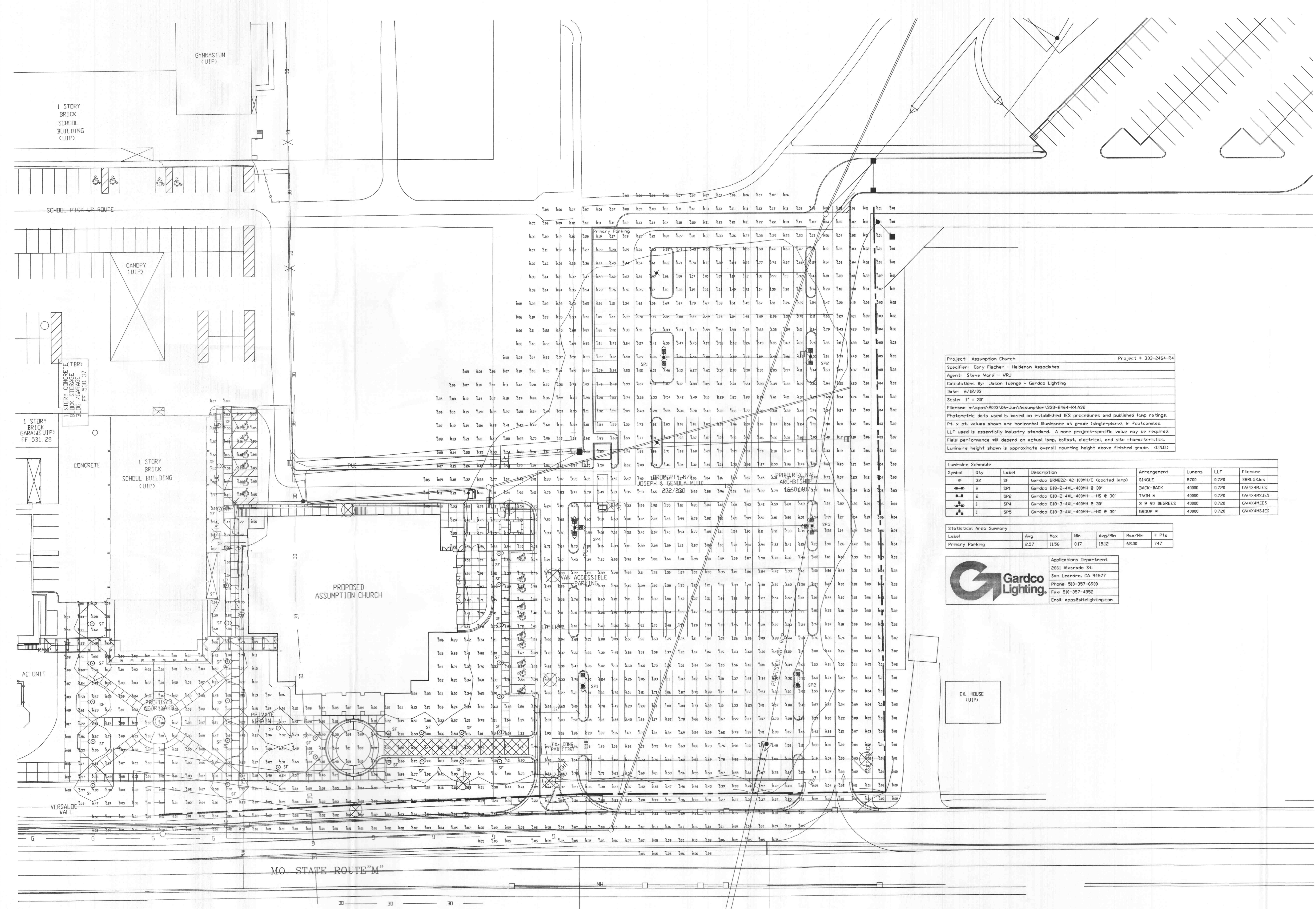


three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot  
 one-half inch = one foot  
 three-quarters inch = one foot  
 one inch = one foot  
 one and one-half inches = one foot  
 two inches = one foot  
 three inches = one foot  
 four inches = one foot  
 five inches = one foot  
 six inches = one foot  
 seven inches = one foot  
 eight inches = one foot  
 nine inches = one foot  
 ten inches = one foot  
 eleven inches = one foot  
 twelve inches = one foot  
 thirteen inches = one foot  
 fourteen inches = one foot  
 fifteen inches = one foot  
 sixteen inches = one foot  
 seventeen inches = one foot  
 eighteen inches = one foot  
 nineteen inches = one foot  
 twenty inches = one foot  
 twenty-one inches = one foot  
 twenty-two inches = one foot  
 twenty-three inches = one foot  
 twenty-four inches = one foot  
 twenty-five inches = one foot  
 twenty-six inches = one foot  
 twenty-seven inches = one foot  
 twenty-eight inches = one foot  
 twenty-nine inches = one foot  
 thirty inches = one foot



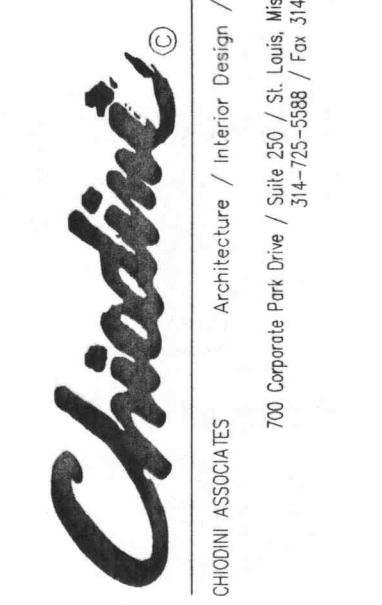
Project: Assumption Church Project # 333-2464-R4  
 Specifier: Gary Fischer - Heideman Associates  
 Agent: Steve Ward - WRJ  
 Calculations By: Jason Tuenge - Gardco Lighting  
 Date: 6/17/03  
 Scale: 1" = 30'  
 Filename: \\apps\2003\06-Jun\Assumption\333-2464-RA432  
 Photometric data used is based on established IES procedures and published lamp ratings.  
 PL x pt. values shown are horizontal illuminance at grade (single-plane), in Footcandles.  
 LFL used is essentially industry standard. A more project-specific value may be required.  
 Field performance will depend on actual lamp, ballast, electrical, and site characteristics.  
 Luminaire height shown is approximate overall mounting height above finished grade. (UNB).

Symbol	Qty	Label	Description	Arrangement	Lumens	LFL	Filename
●	32	SF	Gardco BRMB22-42-100M/C (coated lamp)	SINGLE	8700	0.720	BRRL5.Kies
■	2	SP1	Gardco GIB-2-4XL-400M @ 30'	BACK-BACK	40000	0.720	GW4X4M.IES
■	2	SP2	Gardco GIB-2-4XL-400M--HS @ 30'	TWIN *	40000	0.720	GW4X4M.IES
■	1	SP4	Gardco GIB-3-4XL-400M @ 30'	3 @ 90 DEGREES	40000	0.720	GW4X4M.IES
■	1	SP5	Gardco GIB-3-4XL-400M--HS @ 30'	GROUP *	40000	0.720	GW4X4M.IES

Label	Avg	Max	Min	Avg/Min	Max/Min	# Pts
Primary Parking	2.57	11.56	0.17	15.12	68.00	747

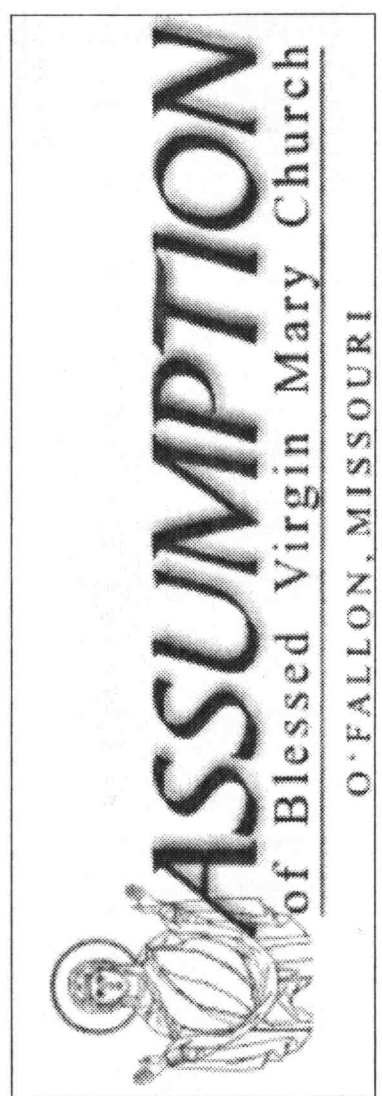
**Gardco Lighting**  
 Applications Department  
 2561 Alvarado St.  
 San Leandro, CA 94577  
 Phone: 510-337-6900  
 Fax: 510-337-4952  
 Email: apps@site-lighting.com

**SITE PLAN**  
 SCALE: NO SCALE



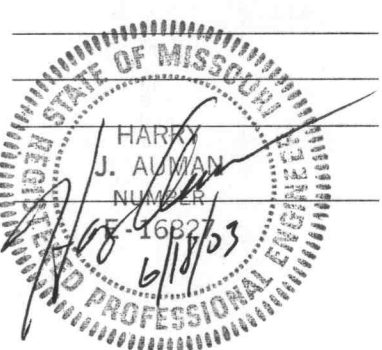
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**HEIDEMAN ASSOCIATES, INC.**  
 A Zak Company  
 13545 Barrett Parkway Drive  
 Suite 200  
 St. Louis, Missouri 63021  
 p 314.822.2217  
 f 314.822.8588  
 www.zakcompanies.com



REVISED PERMIT SET - 30 APRIL 2003

REVISIONS:  
 6/17/03 - REVISE FOR 0.5FC



**PHOTOMETRIC CALCULATION FOR E1.0 SITE PLAN**

PROJECT: 2001.042  
 DATE: 11 MARCH 2003  
 DRAWN: B.S.

**E1.0a**