

CALCULATION AREA SUMMARY

DESCRIPTION	MAINTAINED fc	MINIMUM fc
LOW VEHICULAR ACTIVITY	0.82	0.05
TARGET REQUIREMENTS*	0.2 (MIN)	0.05

* REQUIREMENTS BASED ON ZONING ORDINANCE 240-2013.C(1) LOW VEHICULAR/PEDESTRIAN ACTIVITY
 ** CALCULATION SUMMARIES REPRESENT THE PORTION OF LIGHTING FALLING IN EACH STATISTICAL AREA. PHOTOMETRIC GRID HAS BEEN EXTENDED ON PLAN TO SHOW EXTENT OF LIGHT SPILL.

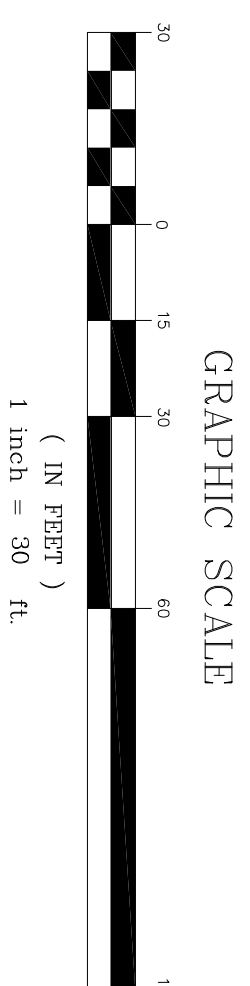
ELECTRICAL GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE 2014 NATIONAL ELECTRICAL CODE, IFC 2015, IBC 2015, IECC 2015, THE LATEST STATE CODES, AND ALL LOCAL CODES.
2. ALL ELECTRICAL EQUIPMENT, INCLUDING, BUT NOT LIMITED TO CONDUIT, WIRE, BOXES, AND FITTINGS, SHALL BE NEW AND FREE OF DEFECTS, SHALL BEAR THE UL LABEL, AND SHALL MEET NEMA AND ANSI STANDARDS.
3. ALL WORK AND MATERIALS SHALL BE GUARANTEED FREE FROM DEFECTS FOR A MINIMUM PERIOD OF ONE YEAR UNLESS NOTED OTHERWISE. THE WARRANTY PERIOD SHALL BEGIN AT THE DATE OF BENEFICIAL OCCUPANCY OF THE SPACE UNLESS NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS.
4. THE E.C. IS RESPONSIBLE FOR FILING AND PAYING ALL FEES AND OBTAINING NECESSARY PERMITS, CERTIFICATES OF INSPECTION AND SHALL DELIVER ALL CERTIFICATES OF INSPECTION TO OWNER/CONSTRUCTION MANAGER OR GENERAL CONTRACTOR INCLUDING COPIES WITH MAINTENANCE MANUALS.
5. POST-APPROVAL ALTERATIONS TO THE LIGHTING PLANS OR INTENDED SUBSTITUTIONS FOR APPROVED LIGHTING EQUIPMENT SHALL BE SUBMITTED TO THE TOWNSHIP FOR REVIEW AND APPROVAL PRIOR TO MAKING SUCH SUBSTITUTION OR ALTERATION.
6. ALL ELECTRICAL FEEDS FOR FIXTURES MOUNTED TO POLES SHALL BE RAN UNDERGROUND.
7. FIXTURES SHALL BE AIMED PRIMARILY TO REDUCE GLARE.
8. THE TOWNSHIP RESERVES THE RIGHT TO CONDUCT POST-INSTALLATION NIGHTTIME INSPECTIONS TO VERIFY COMPLIANCE WITH THE REQUIREMENTS OF THIS ORDINANCE, AND IF APPROPRIATE, TO REQUIRE REMEDIAL ACTION AT NO EXPENSE TO THE TOWNSHIP.
9. ALL LIGHTING SHALL BE CONTROLLED BY AUTOMATIC SWITCHING DEVICES, SUCH AS TIME CLOCKS OR COMBINATION MOTION DETECTORS AND PHOTOCELLS, TO PERMIT EXTINGUISHING OFFENDING SOURCES BETWEEN 11PM AND DAWN TO MITIGATE NUISANCE GLARE AND SKY-LIGHTING CONSEQUENCES.
10. NO LIGHTING SHALL BE PERMITTED WHICH SHINES DIRECTLY INTO A RESIDENTIAL UNIT.
11. ALL LIGHTING SHALL BE SHIELDED FROM GLARE WITHIN THE RIGHT-OF-WAY.

LIGHTING FIXTURE SCHEDULE

SYMBOL	TYPE	LAMPS		MANUFACTURER	CATALOG NUMBER	MOUNTING	VOLTAGE	REMARKS	
		NO.	WATTS						
□	A	1	97	LED	MCGRAW EDISON	GMC-AF-02-LED-E1-14FT	WALL @13'	UNIV	LED WALL PACK FORWARD THROW

* FIXTURE SUBSTITUTIONS MUST BE APPROVED BY THIS ENGINEER FOR DESIGN COMPLIANCE AND OWNER FOR AESTHETIC NATURE. VERIFY EXACT COLOR OF HOUSINGS WITH OWNER PRIOR TO ORDERING.
 ALL LIGHTING SHALL BE REVIEWED BY BUILDING ENGINEER AND ARCHITECT AS PART OF FTOUT PRIOR TO INSTALLATION. EXACT LOCATIONS MAY VARY.



No.	Date	Revision Description
2	09-14-20	Revised per Township Engineer's Review Letter dated July 13, 2020 and TCA Memorandum updated July 14, 2020.
1	06-11-20	Revised per Township Engineer's Review Letter dated April 1, 2019 and TCA Memorandum updated March 14, 2019.

PETER J. BONNES
REGISTERED LAND SURVEYORS
AND
PROFESSIONAL ENGINEERS

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Plan Prepared For
RICK AVELLO

Photometric Lighting Plan

Situate In
KENNETT TOWNSHIP, CHESTER COUNTY, PA

Drawn By: LHU
Checked By: PJB
Scale: 1"=30'
Job Number: 1901(17N)
Date: 3-8-19

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