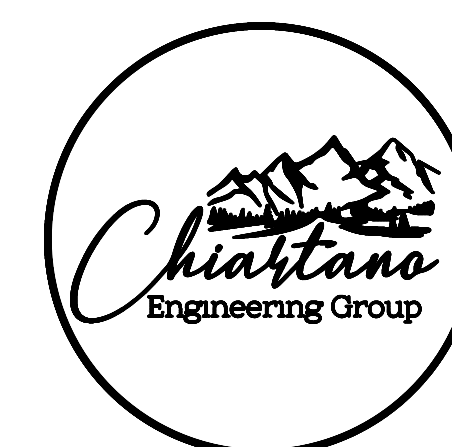


Luminaire Schedule	Symbol	Qty	Label	Description	Luminaire	Total Watts
	□	3	P2	VP-1-160L-100-4K7-2	92	276
	□	3	P3-BC	VP-1-160L-100-4K7-3-BC	97.15	291.45
	□	2	P4F	VP-1-160L-100-4K7-4F	92	184
Calculation Summary						
Label	CalcType			Units	Avg	
SITE	Illuminance			Fc	1.24	

GENERAL NOTES

- A. DRAWINGS ARE BASED ON RECORD DRAWINGS (NOT GUARANTEED TO BE CURRENT AT TIME OF CONSTRUCTION) AND FIELD INVESTIGATION WITH DEMOLITION, EXAMINE PLANS AND VISIT THE SITE TO FIELD VERIFY ACTUAL CONDITIONS AND COORDINATE SAME WITH OTHER TRADES PRIOR TO STARTING WORK.
- B. A LICENSED AND BONDED CONTRACTOR SHALL BE USED FOR INSTALLATION. ALL LOCAL CODES SHALL BE FOLLOWED DURING INSTALLATION.
- C. ALL LIGHTING FIXTURES SHALL BE FULL CUT-OFF OR HAVE SHIELDING TO REDUCE OFF-SITE LIGHTING IMPACTS ONTO ADJACENT PROPERTIES AND ROADWAYS. ALL EXTERIOR LIGHTING SHALL BE ARRANGED TO MITIGATE LIGHT DIRECTED AWAY FROM ADJACENT PROPERTIES AND ANY PUBLIC RIGHT-OF-WAY. AN AMENDMENT TO THIS PLAN MAY BE REQUIRED IF THE LIGHTING TYPE IS CHANGED.
- D. A FINAL COMMISSIONING REPORT SHALL BE DELIVERED TO THE BUILDING OWNER PER SECTION C408.2.5 OF THE 2021 IEEC.



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WIDEFIELD COMMUNITY BIBLE
CHURCH
702 QUEBEC ST
COLORADO SPRINGS, CO 80911

▲	ISSUED FOR REVIEW	XX/XX/XX
NO.	REVISION	DATE

PROJECT NO: 24-0816
DRAWN BY: MPC
CHECKED BY: MPC
DATE: 10/04/2024

SHEET CONTENTS:

SITE PHOTOMETRIC PLAN

SHEET NUMBER:

E100A

VIPER Area/Site
VIPER LUMINAIRE

FEATURES

- Low profile LED recessed luminaire with a variety of ES distributions for lighting applications such as auto dealerships, retail, commercial, and campus parking lots.
- Featuring two different optical technologies, Strike and Micro Strike Optics, which provide the best distribution patterns for retrofit or new construction.
- Rated for high vibration applications including bridges and overpasses. All sizes are rated for 1.5G.
- Control options including photo control, occupancy sensing, NKK Lighting Controls, LightGRIP and 7-Fin with networked control.
- New customizable lumen output feature allows for the wattage and lumen output to be customized in the factory to meet relative specification requirements may vary.
- Field interchangeable mounting provides additional flexibility after the fixture has shipped.

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG # _____

CONTROL TECHNOLOGY

CONSTRUCTION

- Die-cast housing with hidden vertical heat sink area optimal for heat dissipation while keeping a clean smooth outer surface.
- Concealed recessed die-cast aluminum housing with 1000 hour powder coat paint finish.
- External hardware is corrosion resistant.

OPTICS

Micro Strike Optics (M2, M3, M4) or M2-L LED recessed luminaire offering a wide variety of cone beam distributions with maximum LED wattage fully illuminated the fixture superior to fixture type is rated per page 2.

Strike Optics (S2, S3, S4) or S2-L LED recessed luminaire providing a wide variety of cone beam distributions with maximum LED wattage fully illuminated the fixture superior to fixture type is rated per page 2.

INSTALLATION

- Mounting patterns for each size can be found on page 3.
- Optical universal mounting back for ease of installation during retrofit applications. Available in round or square or rectangular for square and round poles.
- All mounting hardware included.
- Knockout arm filler option available for 2-3/8" OD levels.
- For products with ESD, see sheet 1 required to avoid ground fault GFCI, a dedicated design is recommended.

ELECTRICAL

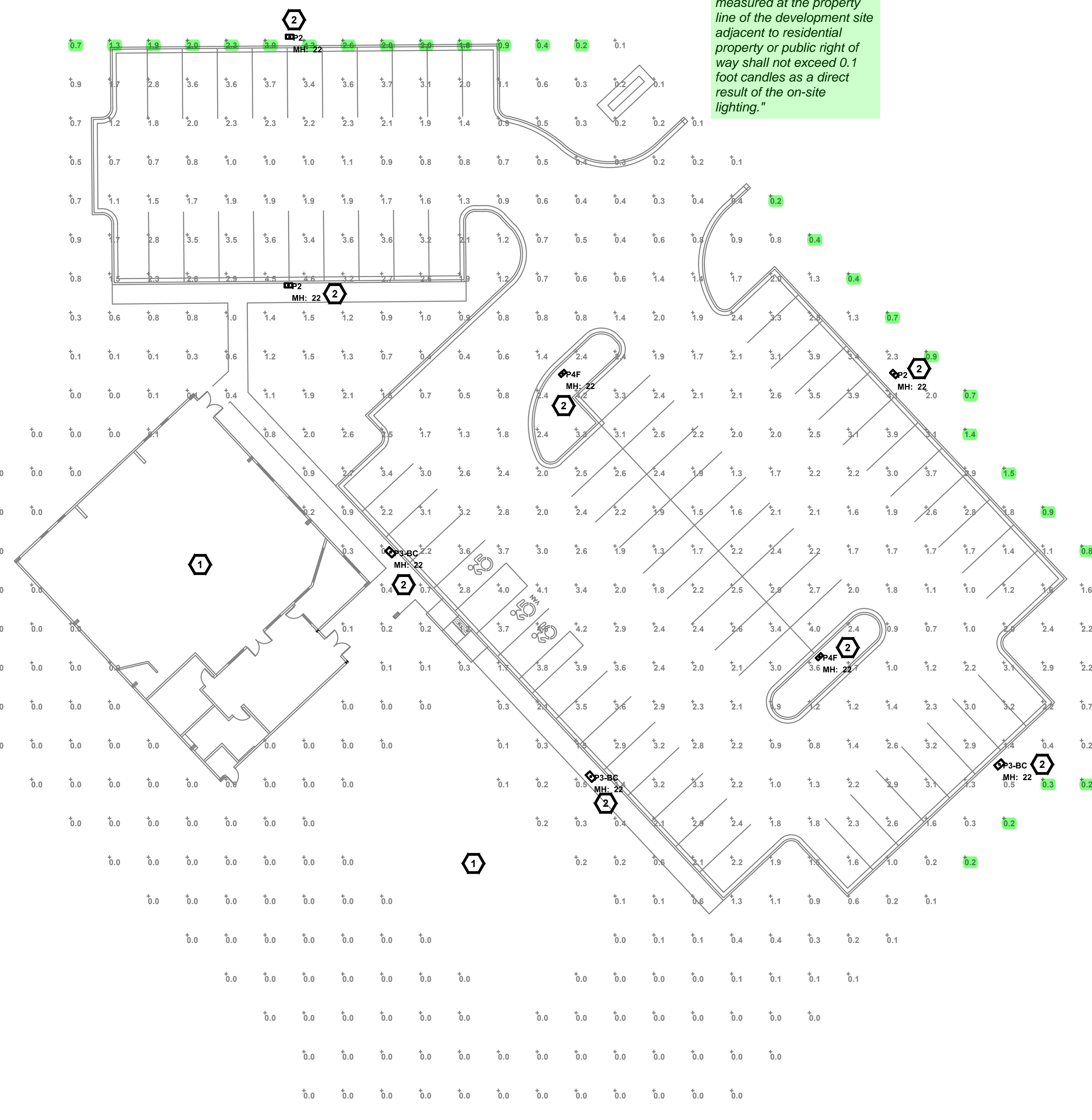
- Line voltage: 120V/277 VAC or 347-480 VAC input voltage, 50/60 Hz.
- Ampere/operating temperature: 40°C to 45°C.
- Drivers have greater than 80% power factor and less than 25% THD.
- LED drivers have built-in over-voltage, over-current protection and auto-restart protection with auto-recovery.
- Field-replaceable single-pin or double-pin sockets provide quick replacement meeting ANSI E83, C90, IES, Energy Star and Energy Efficient Lighting (EEL) requirements.
- Dual Driver option provides 2 drivers within luminaire housing for field-replaceability and longer life span. Both drivers provide the same output as the 1-driver option. See fixture cut sheet for details.

CERTIFICATIONS

- UL E914, UL E85, UL E84, UL E86, UL E87, UL E88, UL E89, UL E90, UL E91, UL E92, UL E93, UL E94, UL E95, UL E96, UL E97, UL E98, UL E99, UL E100, UL E101, UL E102, UL E103, UL E104, UL E105, UL E106, UL E107, UL E108, UL E109, UL E110, UL E111, UL E112, UL E113, UL E114, UL E115, UL E116, UL E117, UL E118, UL E119, UL E120, UL E121, UL E122, UL E123, UL E124, UL E125, UL E126, UL E127, UL E128, UL E129, UL E130, UL E131, UL E132, UL E133, UL E134, UL E135, UL E136, UL E137, UL E138, UL E139, UL E140, UL E141, UL E142, UL E143, UL E144, UL E145, UL E146, UL E147, UL E148, UL E149, UL E150, UL E151, UL E152, UL E153, UL E154, UL E155, UL E156, UL E157, UL E158, UL E159, UL E160, UL E161, UL E162, UL E163, UL E164, UL E165, UL E166, UL E167, UL E168, UL E169, UL E170, UL E171, UL E172, UL E173, UL E174, UL E175, UL E176, UL E177, UL E178, UL E179, UL E180, UL E181, UL E182, UL E183, UL E184, UL E185, UL E186, UL E187, UL E188, UL E189, UL E190, UL E191, UL E192, UL E193, UL E194, UL E195, UL E196, UL E197, UL E198, UL E199, UL E200.

WARRANTY

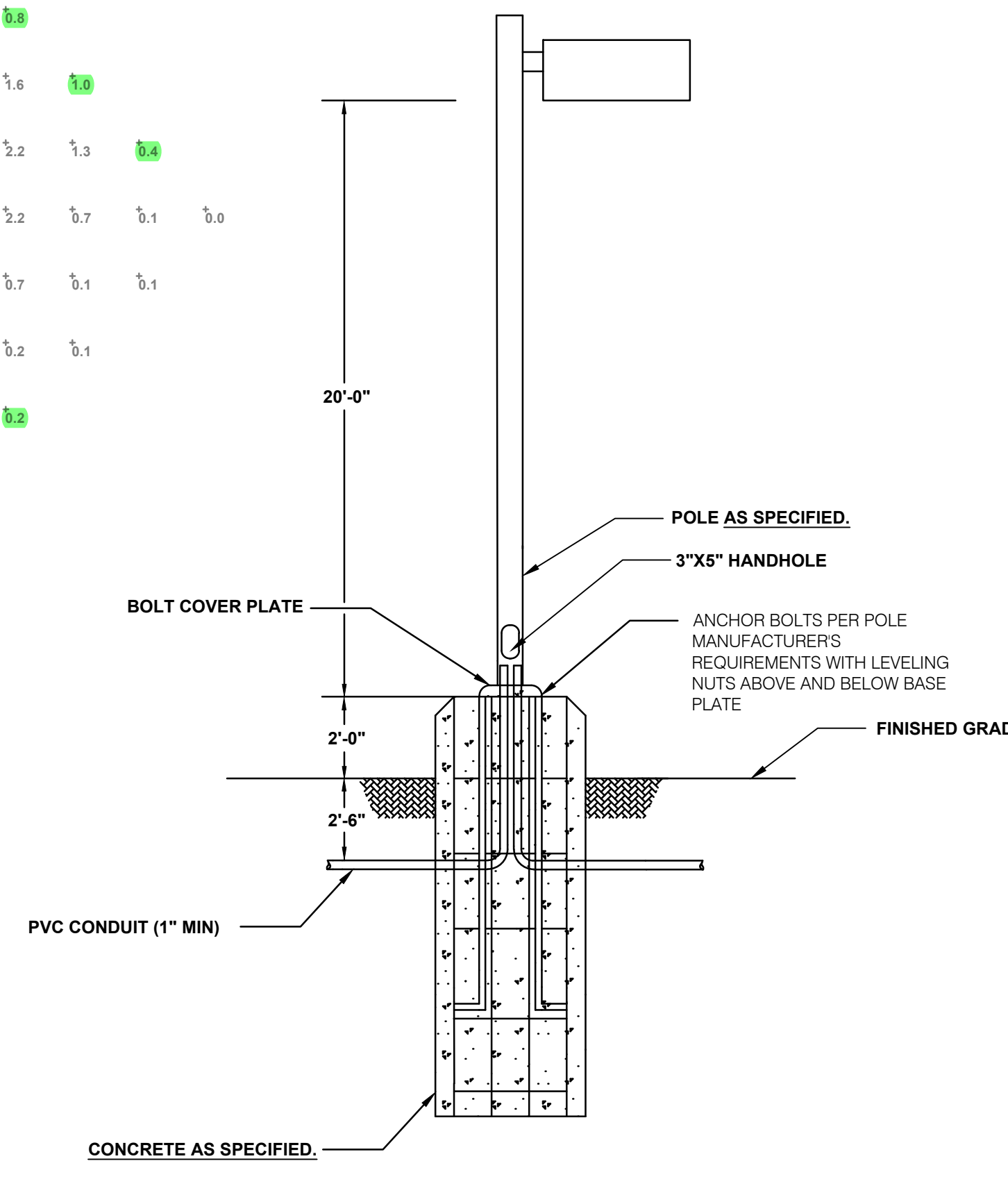
- 3 year warranty.



Per Section 6.2.3.B.1.e. in the Land Development Code, "Light levels measured at the property line of the development site adjacent to residential property or public right of way shall not exceed 0.1 foot candles as a direct result of the on-site lighting."

KEYNOTES

- 1 LIGHTING FOR THE WALKWAYS WILL BE PROVIDED BY WALL-MOUNTED DOWN CASTING FIXTURES LOCATED ON PROPOSED BUILDING. FINAL LOCATION TO BE DETERMINED DURING BUILDING DESIGN.
- 2 EXTERIOR LIGHTING, EXCEPT SECURITY LIGHTING, WILL BE CONTROLLED BY A TIME CLOCK TO BE TURNED OFF DURING NON-OPERATING HOURS.



POLE BASE DETAIL
SCALE: NTS

PPR2438

SITE PHOTOMETRIC PLAN
SCALE: 1" = 20'-0"

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ENGINEER OF RECORD. THEY ARE ONLY TO BE USED FOR THIS PROJECT WITHOUT WRITTEN AGREEMENT AND APPROPRIATE COMPENSATION TO THE ENGINEER OF RECORD.