

THE LOFTS ON EDISON

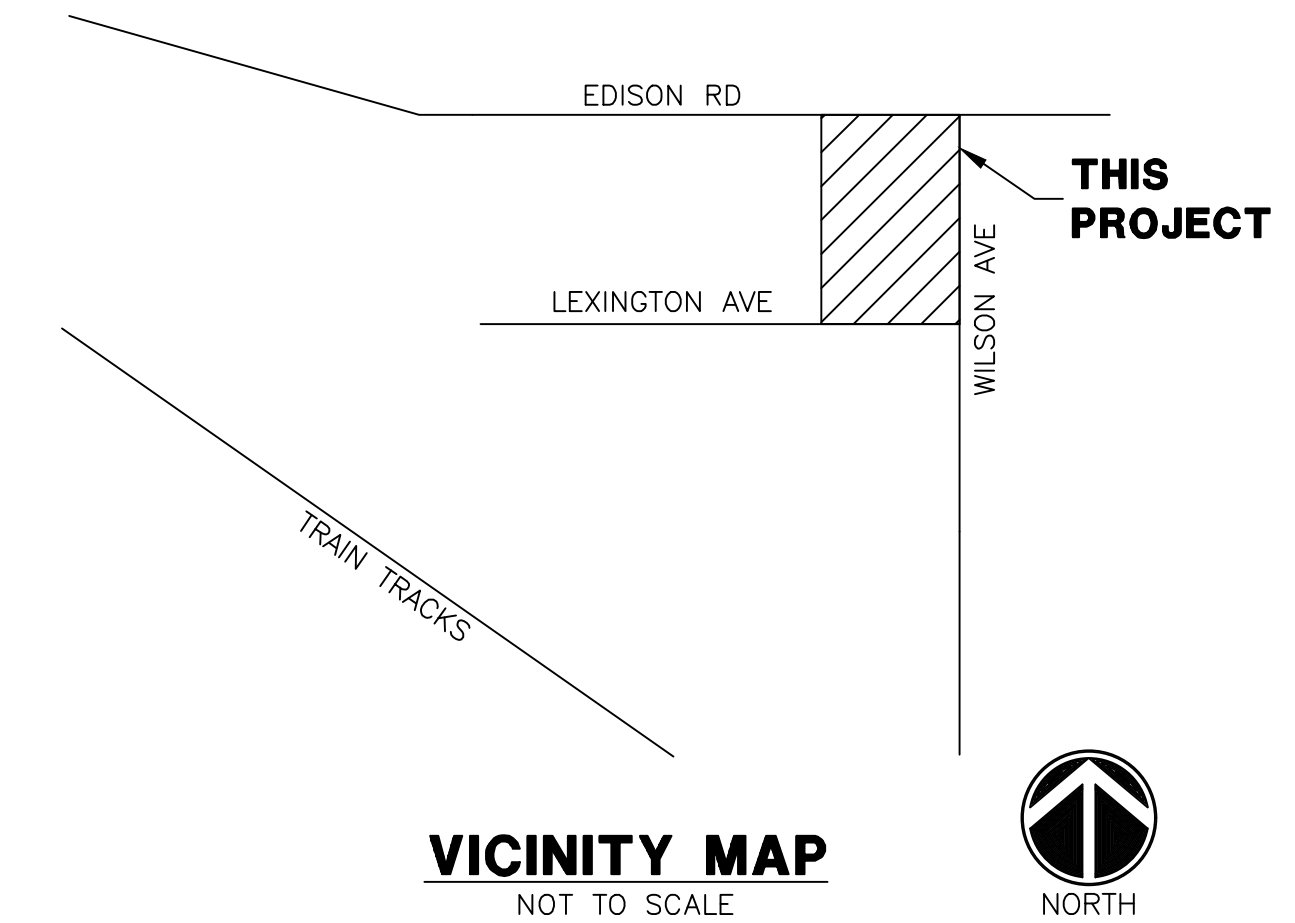
SITE ELECTRICAL

MARICOPA, ARIZONA

GENERAL ELECTRICAL NOTES

- ELECTRICAL WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE (LATEST EDITION), FEDERAL, STATE AND LOCAL JURISDICTION CODES.
- ALL WORK SHALL BE DONE IN A NEAT, WORKMANLIKE, FINISHED AND SAFE MANNER, ACCORDING TO THE LATEST PUBLISHED NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION STANDARDS OF INSTALLATION, UNDER COMPETENT SUPERVISION.
- VISIT THE SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND ALL OTHER FACTORS WHICH MAY AFFECT THE EXECUTION OF THIS WORK. INCLUDE ALL RELATED COSTS IN THE INITIAL BID PROPOSAL.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF ALL EXISTING UTILITIES AND AVOIDING DAMAGE TO SAME. CONTRACTOR TO CALL 811 FOR BLUE STAKE. FOR ALL MUNICIPAL OR PRIVATELY OWNED UTILITIES EXISTING WITHIN LIMITS OF WORK OF PROJECT, CONTRACTOR TO PRIVATELY LOCATE UTILITIES. IRRIGATION LINES LESS THAN 2" WILL NOT TYPICALLY BE MARKED AND CAUTION SHOULD BE USED TO AVOID DAMAGE. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL UTILITIES CAUSED AS A RESULT OF CONTRACT WORK, ALL DAMAGES TO BE REPAIRED IN KIND.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING WALKS, WALLS, DRIVES, CURBS, ETC. DAMAGES SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
- PROPER PROTECTION OF THE CONSTRUCTION AREA FOR SAFETY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COVER ALL TRENCHES AT THE END OF EACH WORK DAY. BARRICADES SHALL BE INSTALLED AS DIRECTED BY THE OWNER OR THE PROJECT INSPECTOR. THE SITE AND ALL WORK SHALL CONFORM TO OSHA REQUIREMENTS.
- ALL EXISTING LANDSCAPE, HARDSCAPE AND SPRINKLER SYSTEMS DAMAGED OR DISTURBED DURING THE CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED IN KIND.
- CONTRACTOR SHALL PAY FOR PERMITS AND INSPECTIONS AS MAY BE REQUIRED AND PROVIDE A CERTIFICATE OF INSPECTION TO THE OWNER.
- PROTECT ALL MATERIAL AND EQUIPMENT INSTALLED AGAINST DAMAGE BY OTHER TRADES, WEATHER CONDITIONS OR ANY OTHER CAUSES. EQUIPMENT FOUND DAMAGED OR IN OTHER THAN NEW CONDITION WILL BE REJECTED AS DEFECTIVE. ALL COMPONENTS SHALL BE FREE OF DUST, GRIT AND FOREIGN MATERIALS, AND LEFT AS NEW BEFORE FINAL ACCEPTANCE OF WORK.
- LEAVE THE SITE CLEAN, REMOVE ALL DEBRIS, EMPTY CARTONS, TOOLS, CONDUIT, WIRE SCRAPS AND ALL MISCELLANEOUS SPARE EQUIPMENT AND MATERIALS USED IN THE WORK DURING CONSTRUCTION.
- ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC, BURIED 24" MINIMUM BELOW FINISHED GRADE, UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS OR IN DETAILS.
- PROVIDE EMT INDOOR AND GRS OUTDOOR FOR ABOVE GROUND CONDUIT. WHERE METALLIC CONDUITS COME IN CONTACT WITH DIRT, THEY SHALL BE HALF LAP WRAPPED WITH SCOTCH 50 TAPE TO 12" AFG. FITTINGS SHALL BE STEEL, THREADED TYPE WITH INSULATED THROATS. SECURELY ATTACH ALL SURFACE MOUNTED CONDUIT EVERY 10 FEET AND WITHIN 3 FEET OF EACH JUNCTION BOX, PER NEC ARTICLE 344.30.
- MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS OR IN DETAILS.
- ALL FEEDERS AND BRANCH CIRCUIT WIRE SHALL BE COPPER TYPE XHHW (75 DEGREE C) FOR BELOW GRADE INSTALLATIONS (AND CONDUIT RISERS) AND THHN/THWN (75 DEGREE C) FOR ABOVE GRADE INSTALLATIONS. MINIMUM SIZE SHALL BE #12 AWG, UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS OR IN DETAILS. ALL WIRING SHALL BE IN CONDUIT, FOR NEW WIRING IN COMMERCIAL APPLICATIONS, THE USE OF TYPES NM, NMC, NMS (ROMEX) CABLES IS NOT PERMITTED. ALL CONDUCTORS SHALL BE NEW UNLESS NOTED OTHERWISE IN PLANS.
- A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR (BOND) SHALL BE INSTALLED WITHIN EACH RACEWAY, INCLUDING WITHIN EMT CONDUIT. EQUIPMENT GROUNDING CONDUCTOR SHALL BE SIZED PER NEC TABLE 250.122.
- WHEN A PANEL IS SUPPLIED BY A FEEDER OR BRANCH CIRCUIT, ANY INSTALLED GROUNDED CONDUCTOR SHALL NOT BE CONNECTED TO THE EQUIPMENT GROUNDING CONDUCTOR (GEC) OR TO THE GROUNDING ELECTRODE(S) PER NEC ARTICLE 250.32(B).
- BOND ALL ENCLOSURES PER NEC ARTICLE 250.96.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, ETC. NECESSARY FOR A COMPLETE AND WORKABLE ELECTRICAL SYSTEM WHETHER OR NOT THESE ITEMS ARE SPECIFICALLY NOTED ON THESE DRAWINGS. INCIDENTAL ITEMS NOT INDICATED ON THE DRAWINGS, NOR MENTIONED IN SPECIFICATIONS THAT CAN BE LEGITIMATELY AND REASONABLY INFERRED TO BELONG TO THE WORK DESCRIBED OR BE NECESSARY IN GOOD PRACTICE TO PROVIDE A COMPLETE SYSTEM, SHALL BE FURNISHED AND INSTALLED AS THOUGH ITEMIZED HERE IN EVERY DETAIL.
- CONTRACTOR IS RESPONSIBLE FOR AND SHALL PROVIDE ALL LABOR, MATERIAL, TRENCHING, CONDUIT, TRANSFORMER PAD AND OTHER REQUIRED EQUIPMENT PER UTILITY COMPANY PLANS AND SPECIFICATIONS NECESSARY FOR A COMPLETE UNDERGROUND CONDUIT SYSTEM FROM THE UTILITY POINT OF SERVICE TO THE UTILITY CO. TRANSFORMER AND FROM THE UTILITY CO. TRANSFORMER TO THE ELECTRICAL SERVICE ENTRANCE SECTION.
- ALL TRENCHING, CONDUITS, ETC. SHALL BE ROUTED AND INSTALLED IN SUCH A MANNER THAT WILL NOT DAMAGE EXISTING FACILITIES. SHOULD DAMAGE OCCUR, IT WILL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR DAMAGE TO THE SATISFACTION OF THE OWNER OR INSPECTOR.
- ALL CONDUIT RUNS SHOWN ON THIS PLAN ARE SCHEMATIC IN NATURE. THE CONTRACTOR SHALL MAKE SURE THAT ALL CONDUIT, ETC. FALLS WITHIN THE CONSTRUCTION AREA/RIGHT OF WAY. (THIS INCLUDES MAINTAINING ALL REQUIRED CLEARANCES.)
- WHEN CROSSING PATHWAYS OR SIDEWALKS, CONTRACTOR SHALL BORE UNDER EXISTING CONCRETE WALKS AND SAWCUT ASPHALT WALKS. ASPHALT WALKS SHALL BE REPLACED IN KIND.
- CONTRACTOR SHALL GUARANTEE WORK INSTALLED UNDER THE CONTRACT TO BE FREE FROM DEFECTIVE WORKMANSHIP AND MATERIALS, USUAL WEAR EXCEPTED, AND SHOULD ANY SUCH DEFECTS DEVELOP WITHIN A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE PROJECT BY THE OWNER, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DEFECTIVE ITEMS AND DAMAGE RESULTING FROM FAILURE OF THESE ITEMS, AT NO EXPENSE WHATSOEVER TO THE OWNER.

- CONTRACTOR SHALL IDENTIFY SERVICE ENTRANCE SECTION MAIN SERVICE DISCONNECT(S) WITH 3/32-INCH THICK LAMINATED PHENOLIC TYPE NAMEPLATES WITH 1/4-INCH MINIMUM HEIGHT LETTERS. NAMEPLATE TO BE BLACK MATTE FINISH SURFACE WITH WHITE LETTER ENGRAVING. ATTACH NAMEPLATE TO THE OUTSIDE PANEL FACE WITH TWO STAINLESS STEEL SELF-TAPPING SCREWS. NAMEPLATE SHALL READ "SERVICE DISCONNECT" PER NEC ARTICLE 230.70(B).
- ALL CIRCUITS SHALL BE LEGIBLY IDENTIFIED AT THE PANEL, JUNCTION BOXES AND AT ALL EQUIPMENT IN A PERMANENT MANNER (I.E. ETCHED PLATES, CONDUCTOR TAG, PERMANENT MARKER, ETC.). THE LABELING SHALL INCLUDE PANEL CIRCUIT NUMBER, "TO" AND "FROM" IDENTIFICATION, AND MARKED "SPARE" WHERE APPLICABLE.
- CONTRACTOR SHALL TEST ELECTRICAL SYSTEM FOR SHORT CIRCUITS AND MEGGER TEST FEEDER CIRCUIT WIRING. PROVIDE CERTIFIED TEST RESULTS FOR MEGGER TEST TO OWNER UPON COMPLETION OF PROJECT.
- ALL CONDUIT SHOWN SHALL BE CONCEALED WHEN POSSIBLE. WHEN NOT POSSIBLE, CONDUIT MAY BE SURFACE MOUNTED WITH PERMISSION OF THE OWNER OR OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL COORDINATE ALL EQUIPMENT CONNECTIONS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE ADDITIONAL FUSED DISCONNECT SWITCHES AND CONTROLS IF OVERCURRENT PROTECTION OR CONTROLS IS NOT INTEGRAL WITH UNITS.
- ALL EQUIPMENT SHALL BE FUSE SIZED PER MANUFACTURES RECOMMENDATIONS AND BEAR U.L. APPROVAL. COORDINATE WITH ENGINEER/OWNER.
- ELECTRICAL DEVICES, DISCONNECT SWITCHES, ETC., SHALL BE SUPPORTED INDEPENDENT OF AND ISOLATED FROM EQUIPMENT VIBRATIONS.
- FULL LOAD AMPS (FLA) SIZES, AS NOTED IN THESE DRAWINGS, ARE BASED ON SPECIFIED EQUIPMENT DATA. CONTRACTOR SHALL VERIFY NAMEPLATE FLA OF EQUIPMENT SUPPLIED AND COORDINATE ACCORDINGLY PER EQUIPMENT SUPPLIERS RECOMMENDATIONS.
- ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE NEMA-3R OR NEMA-4 ENCLOSURES.
- CONDUITS OR RACEWAYS ROUTED FROM INDOORS TO OUTDOORS OR AS DESCRIBED IN NEC 300.7(A), SHALL BE SEALED WITH A FLUABLE SEALING COMPOUND AT A CONDUIT BODY OR AT A JUNCTION BOX BEFORE THE CONDUIT ENTERS THE COLDER ENVIRONMENT.
- CONDUITS OR RACEWAYS INSTALLED IN AREAS WHERE ELEVATION CHANGES MAY CAUSE WATER OR MOISTURE TO ENTER THE ELECTRICAL EQUIPMENT THROUGH THE CONDUIT SHALL BE SEALED WITH A HERMETIC CONDUIT SEAL AT BOTH ENDS OF THE CONDUIT OR RACEWAY.
- INSTALL FIRE SEALS IN ALL CONDUITS PENETRATING THE FIRE WALL TO MAINTAIN THE FIRE RESISTANCE RATING OF THE WALL, AS REQUIRED BY NEC 300.21.
- ALL POLE LIGHTS SHALL BE PROVIDED WITH A TWO POLE FUSE HOLDER BUSSMANN #HEX OR A SINGLE POLE FUSE HOLDER BUSSMANN #HEB OR EQUAL FOR INLINE FUSING, PROVIDE 5 AMP FUSING IN FUSEHOLDER.
- PRIOR TO POURING THE POLE BASES OR COVERING ANY ELECTRICAL CONDUITS, CONTACT THE INSPECTION DEPARTMENT 24 HOURS IN ADVANCE FOR APPROVAL.
- MATERIALS SHALL BE NEW AND OF THE BEST QUALITY WITH MANUFACTURER'S NAME PRINTED THEREON. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH NEMA, ANSI, UNDERWRITER'S LABORATORY OR OTHER APPLICABLE STANDARDS AND RATED FOR HEAVY DUTY SERVICE.
- ALL WIRING DEVICES SHALL BE SPECIFICATION GRADE. ALL 15 AND 20 AMP, 125 AND 250 VOLT, NONLOCKING RECEPTACLES INSTALLED OUTDOORS SHALL BE LISTED WEATHER-RESISTANT TYPE. RECEPTACLE COVERS IN WET LOCATIONS SHALL BE EXTRA DUTY PER NEC 406.9(B). ALL WEATHERPROOF WHILE IN-USE RECEPTACLE COVERS SHALL BE METAL.
- A MINIMUM OF (1) 20A 125V RECEPTACLE SHALL BE INSTALLED NOT LESS THAN 6 FEET AND NOT MORE THAN 20 FEET FROM THE INSIDE WALL OF EACH PERMANENTLY INSTALLED POOL, PER NEC 680.22(A)(1).
- SELECTION OF MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE DRAWINGS AND/OR SPECIFICATIONS. THE USE OF MANUFACTURER'S NAME, MODEL, AND NUMBER IS INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, USEFULNESS AND BID PRICE. CONTRACTOR SHALL SUBMIT TO THE OWNER OR OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL (PRIOR TO ORDERING MATERIALS) COPIES OF EQUIPMENT SHOP DRAWINGS AS FOLLOWS: LIGHT FIXTURES, POLES, POLE BASES, SERVICE ENTRANCE SECTION, ELECTRICAL EQUIPMENT, DISCONNECT SWITCHES, TIME CLOCKS AND OTHER CONTROLS, LIGHTING CONTACTORS AND PULL BOXES. AT THE TIME OF EACH SUBMITTAL, THE CONTRACTOR SHALL DEFINE AND DELINEATE IN WRITING ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS. THE REVIEW WILL BE ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE WORK AND FOR COMPLIANCE WITH THE INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS. THE REVIEW OF A SPECIFIED ITEM, AS SUCH, WILL NOT INDICATE REVIEW OF THE ASSEMBLY IN WHICH THE ITEM FUNCTIONS. REVIEW BY THE OWNER OR OWNER'S REPRESENTATIVE WILL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS IN THE SUBMITTALS NOR FROM HIS RESPONSIBILITY FOR COMPLYING WITH THE CONTRACT DOCUMENTS.
- THE SUBMITTALS SHALL BE NEATLY GROUPED AND ORGANIZED. PERTINENT INFORMATION SHALL BE HIGHLIGHTED, AND THE SPECIFIC PRODUCT SHALL BE IDENTIFIED. ALL SUBMITTALS SHALL BE COMPLETE, AND PRESENTED IN ONE PACKAGE. THE SUBMITTAL SHALL INCLUDE A COMPLETE LIST OF THE EQUIPMENT AND MATERIALS, INCLUDING THE MANUFACTURER'S NAME, PRODUCT SPECIFICATION, DESCRIPTIVE DATA, TECHNICAL LITERATURE, PERFORMANCE CHARTS, CATALOG CUTS, INSTALLATION INSTRUCTIONS, AND SPARE PART RECOMMENDATIONS FOR EACH DIFFERENT ITEM OF THE EQUIPMENT SPECIFIED.
- THE MAINTENANCE OF STREET LIGHTS SHALL BE THE RESPONSIBILITY OF THE LOCAL ELECTRICAL COMPANY AND PAYING OF SERVICES FOR THE STREET LIGHTS SHALL BE THE RESPONSIBILITY OF THE HOMEOWNERS' OR ASSOCIATION ADJACENT PROPERTY OWNER.



WRIGHT ENGINEERING
PROJECT NO:
22353
DESIGN BY: CDC
DRAWN BY: CDC
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PROJECT: TITLE:

MARICOPA, ARIZONA
THE LOFTS ON EDISON
WILSON AVE & EDISON RD
SITE ELECTRICAL COVER SHEET

NO.	DATE	SUBMITTALS/REVISIONS (DESCRIPTIONS)
1	7-25-22	30% SUBMITTAL

PRELIMINARY
NOT FOR
CONSTRUCTION

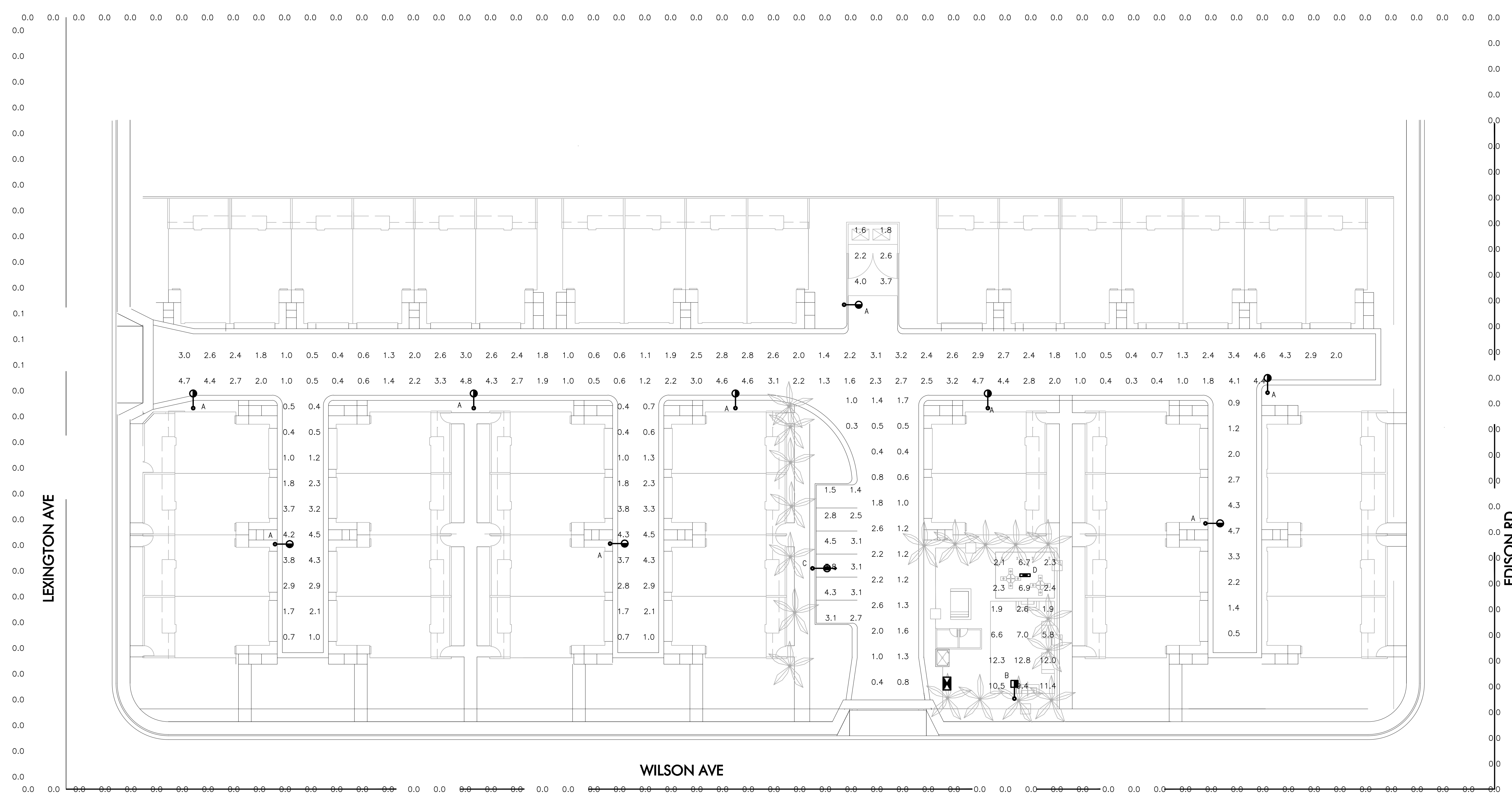
DRAWING NO:
SE1.1
OF 3



NO.	DATE	SUBMITTALS/REVISIONS (DESCRIPTIONS)
1	7-25-22	30% SUBMITTAL

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CONSTRUCTION

DRAWING NO:
SE2.1
OF 3



PHOTOMETRIC RESULTS

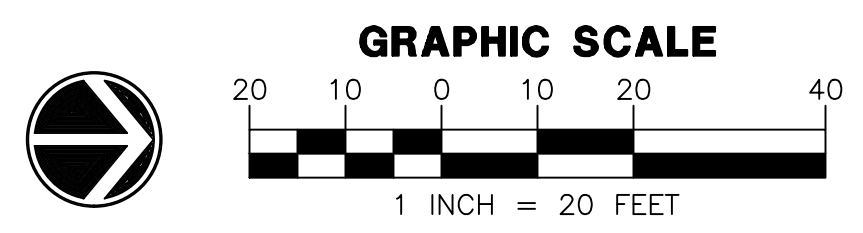
<p>Parking Lot Lighting 12 points at z=0, sp 10ft by 10ft HORIZONTAL FOOTCANDLES Average 3.0 Maximum 4.5 Minimum 1.4 Avg:Min 2.14 Max:Min 3.21 Coef Var 0.30 UniGrad 1.87</p>	<p>Pool 12 points at z=0, sp 10ft by 10ft HORIZONTAL FOOTCANDLES Average 7.9 Maximum 12.8 Minimum 1.9 Avg:Min 4.13 Max:Min 6.74 Coef Var 0.50 UniGrad 3.47</p>
<p>Refuse Area 6 points at z=0, sp 10ft by 10ft HORIZONTAL FOOTCANDLES Average 2.7 Maximum 4.0 Minimum 1.6 Avg:Min 1.66 Max:Min 2.50 Coef Var 0.34 UniGrad 1.82</p>	<p>Property Line 175 points HORIZONTAL FOOTCANDLES Average 0.0 Maximum 0.1 Minimum 0.0 Avg:Min N/A Max:Min N/A Coef Var 7.57</p>
<p>Ramada 6 points at z=0, sp 10ft by 10ft HORIZONTAL FOOTCANDLES Average 3.8 Maximum 6.9 Minimum 2.1 Avg:Min 1.80 Max:Min 3.29 Coef Var 0.56 UniGrad 3.19</p>	<p>Roadways 165 points HORIZONTAL FOOTCANDLES Average 2.0 Maximum 4.8 Minimum 0.3 Avg:Min 6.80 Max:Min 16.00 Coef Var 0.62</p>

PHOTOMETRIC LEGEND

- Pool Light
candela file "GLAN-SA4C-730-U-T3-HSS_18596 lumens.ies"
64 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.910, watts per luminaire = 213
number locations= 1, number luminaires= 1
mounting height= 14 ft
kw all locations= 0.2
- Ramada Light
candela file "VPF4_4FT_40W_40K_CLP.ies"
168 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.910, watts per luminaire = 42
number locations= 2, number luminaires= 2
kw all locations= 0.1
Occurrences: 2 at mounting height 0 ft
- Roadway light
candela file "PRM22-72L-310-3K7-3-CL.ies"
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.910, watts per luminaire = 70
mounting height= 14 ft
number locations= 9, number luminaires= 9
kw all locations= 0.6
- Parking lot light
candela file "PRM22-72L-310-3K7-4W.ies"
1 lamp(s) per luminaire, photometry is absolute
Light Loss Factor = 0.910, watts per luminaire = 70
mounting height= 14 ft
number locations= 1, number luminaires= 1
kw all locations= 0.1

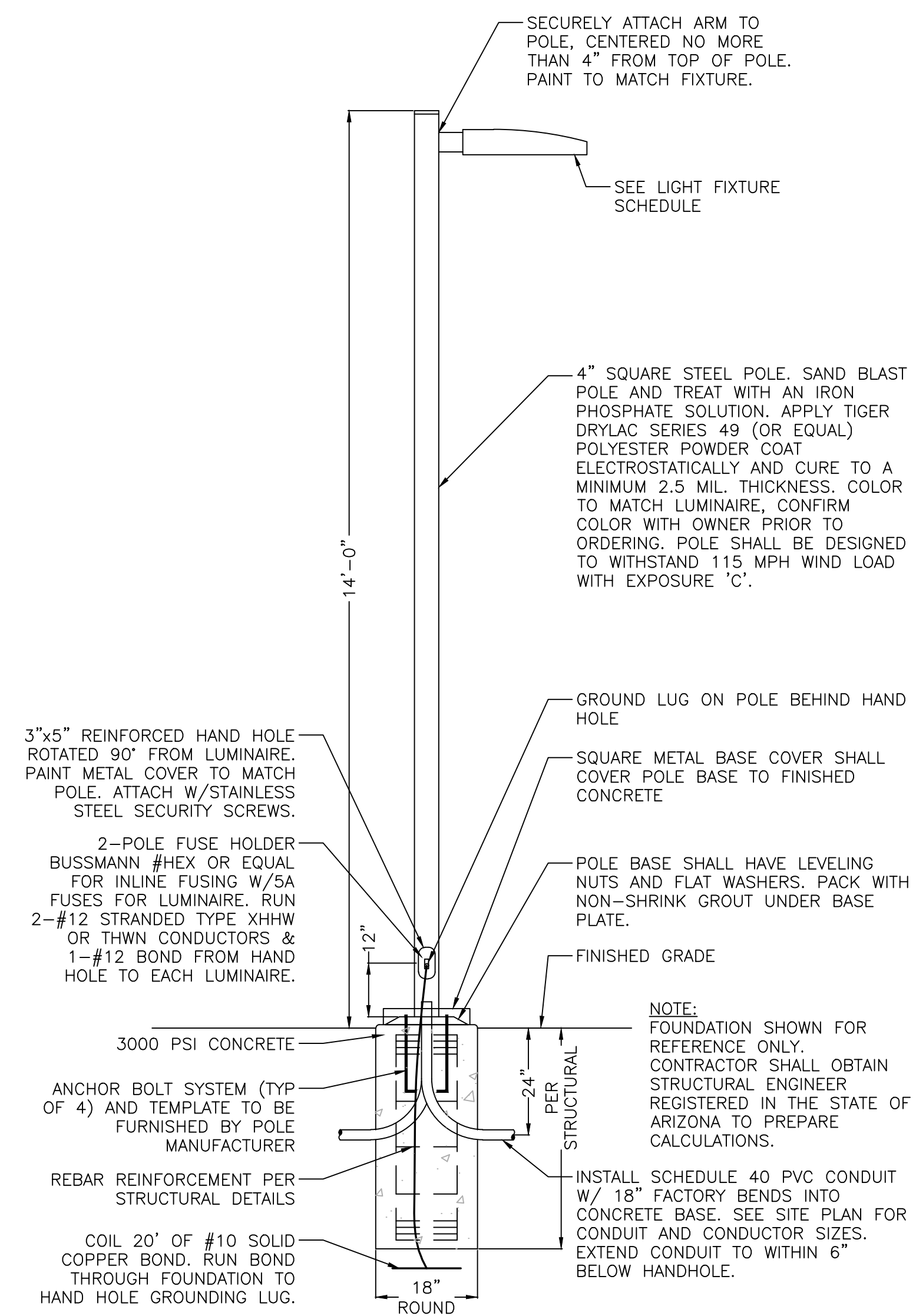
LIGHT FIXTURE SCHEDULE

SYMBOL	LETTER ID	MANUFACTURER	CATALOG NUMBER	FINISH COLOR	VOLTS	LAMP	LUMENS (MIN)	CCT	MOUNTING HEIGHT	DETAIL
	A	ARCHITECTURAL AREA LIGHTING	PRM22-72L-310-3K7-3-CL-UNV	BRONZE	120	75W LED	8,634	3000K	14'-0"	ROADWAY LIGHT SEE DETAIL 1 SHEET SE3.1
	B	COOPER LIGHTING	GLAN-SA4C-730-U-T3-BZ-HSS	BRONZE	120	213W LED	25,117	3000K	14'-0"	POOL LIGHT SEE DETAIL 1 SHEET SE3.1
	C	ARCHITECTURAL AREA LIGHTING	PRM22-72L-310-3K7-4W-CL-UNV	BRONZE	120	25W LED	2,894	3000K	14'-0"	PARKING LOT LIGHT SEE DETAIL 1 SHEET SE3.1
	D	LUMINAIRE LIGHTING	VPF4-4FT-NODIM-40W-30K-MVOLT-OP-BRZ	BRONZE	120	40W LED	4,061	3000K	10'-0"	RAMADA LIGHT SEE DETAIL 2 SHEET SE3.1



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1 FLUSH FOUNDATION STEEL AREA LIGHT DETAIL
NO SCALE

Project	Catalog #	Type	
Prepared by	Notes	Date	

Streetworks
GLAN Galleon II
Area / Site Luminaire

Product Features

- Interactive Menu
 - Ordering Information page 2
 - Mounting Details page 3
 - Optical Distributions page 5
 - Product Specifications page 1
 - Energy and Performance Data page 6
 - Control Options page 10

Product Certifications

Product Certifications

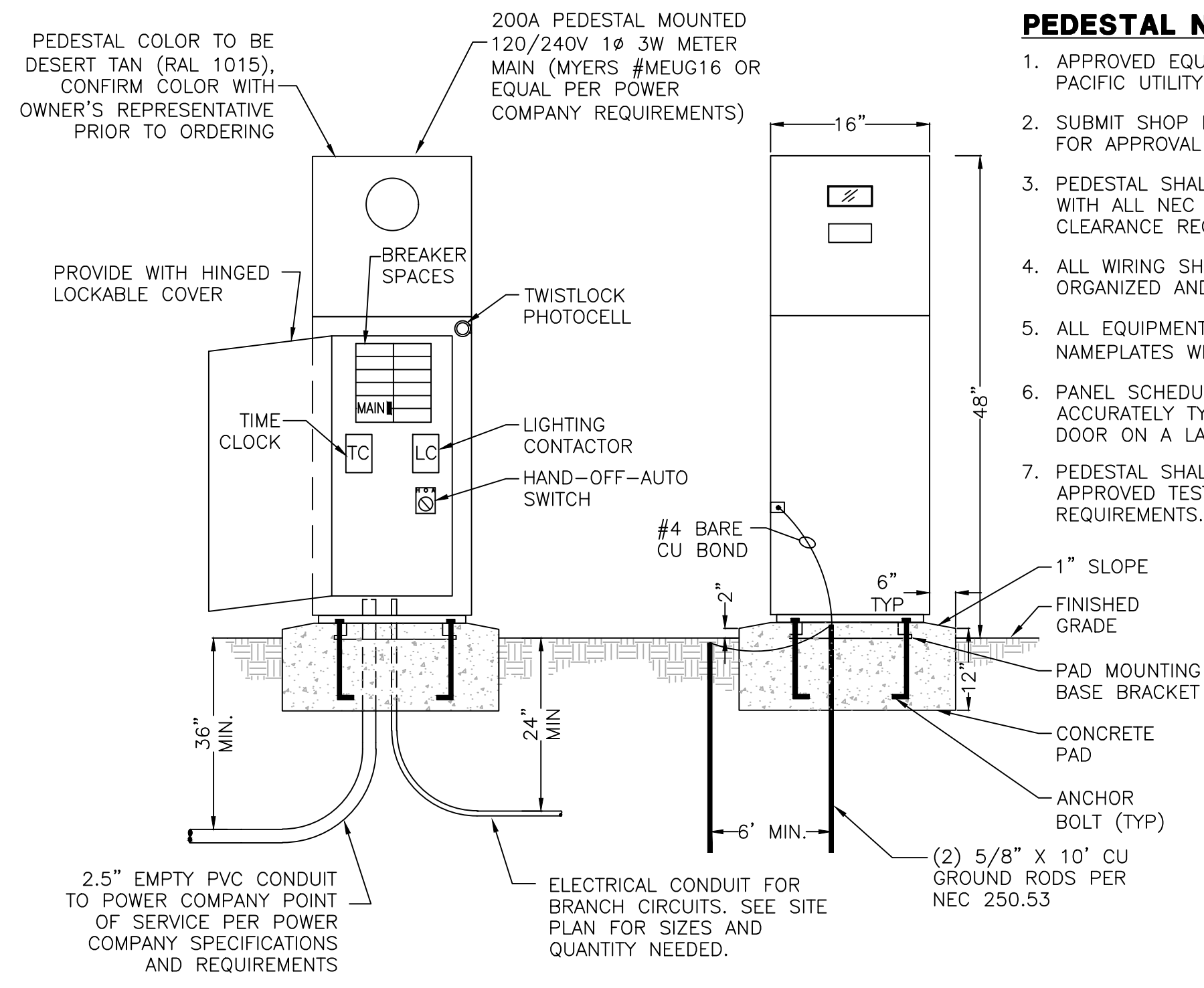
- UL Listed
- ADA Compliant
- Buy American

Quick Facts

- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt
- Options to meet Buy American and other domestic preference requirements

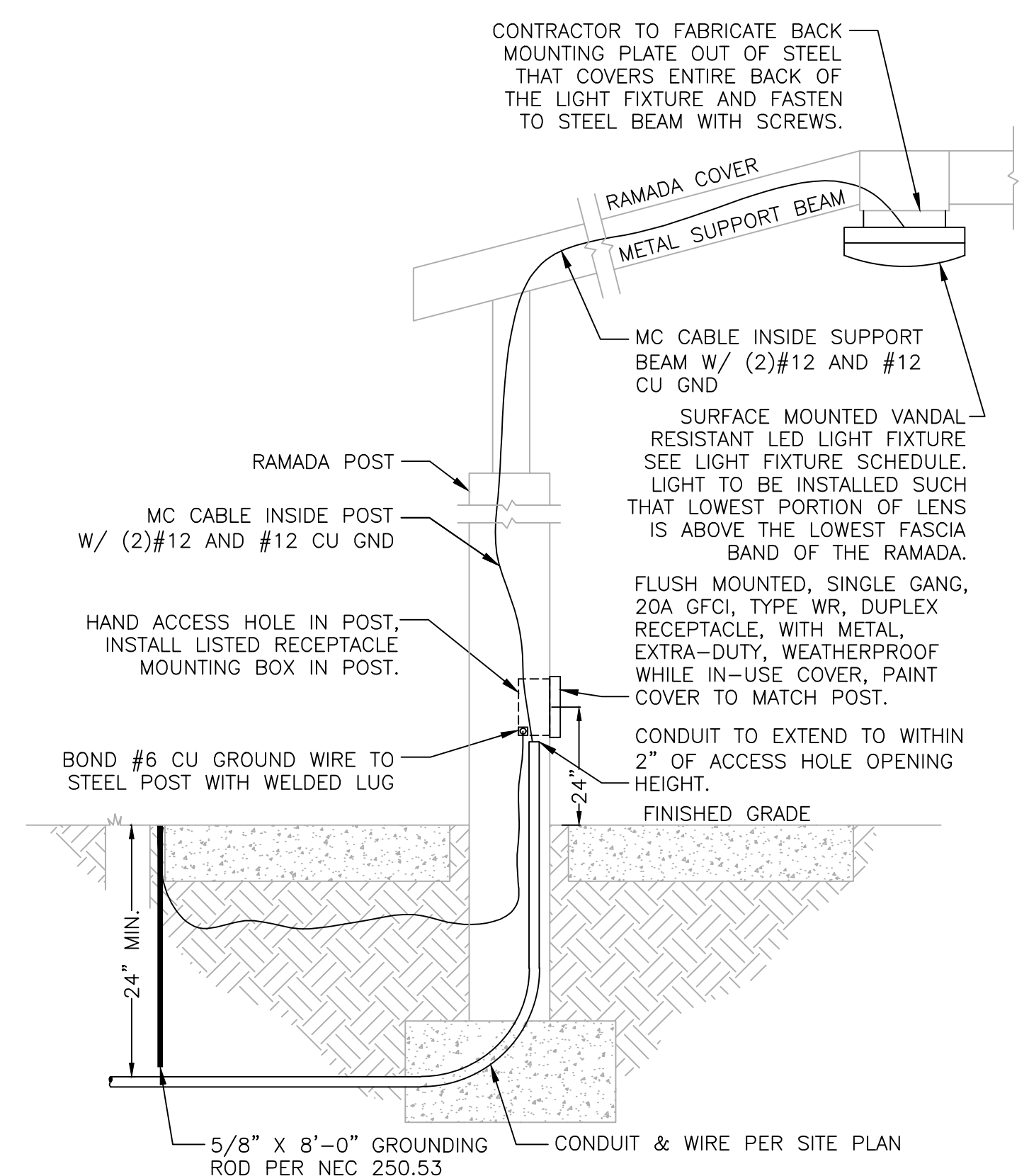
Dimensional Details

Number of Light Fixtures	Width "A"	Height Length "B"	Weight with Standard or 20' Arm	SPs with Standard or 20' Arm
1-4	10"	22"	29 lb	0.95
5-6	22"	22"	39 lb	0.95
7-9	22"	28-1/8"	48 lb	1.1



3A 200A PEDESTAL MOUNTED SERVICE
NO SCALE 120/240V 1Ø 3W

- PEDESTAL NOTES**
- APPROVED EQUAL MANUFACTURERS: MILBANK, PACIFIC UTILITY PRODUCTS
 - SUBMIT SHOP DRAWINGS TO POWER COMPANY FOR APPROVAL PRIOR TO ORDERING EQUIPMENT.
 - PEDESTAL SHALL BE INSTALLED IN ACCORDANCE WITH ALL NEC CODE AND POWER COMPANY CLEARANCE REQUIREMENTS.
 - ALL WIRING SHALL BE INSTALLED IN AN ORGANIZED AND NEAT MANNER.
 - ALL EQUIPMENT SHALL HAVE LAMICOID NAMEPLATES WITH 1/4" LETTERING.
 - PANEL SCHEDULE SHALL BE NEATLY & ACCURATELY TYPED AND PLACED ON THE INSIDE DOOR ON A LAMINATED SHEET.
 - PEDESTAL SHALL BE COMMERCIAL RATED WITH APPROVED TEST BLOCKS PER POWER COMPANY REQUIREMENTS.



2 RAMADA ELECTRICAL DETAIL
NO SCALE

VISION VPF4
Vandal Resistant
VPF4 Series LED

DESCRIPTION

The Vision VPF4 series features an all aluminum, ligature resistant construction which allows it to be used in nearly any environmental condition. Designed in conjunction with an ophthalmologist, the polycarbonate lens provides complete control of glare and LED image while maintaining the high efficiency of clear optical material. The Vision VPF4 series can be row mounted to any length. Natarium finish is standard for all versions of this fixture.

Housing

Marine grade heat treated extruded aluminum. Finished with Super Durable Corrosion Resistant powder coat (SDCR) that meets AAMA 2605 high performance specification, providing superior UV durability and corrosion resistance. Salt spray test: 4,000 hours.

Lens

Extruded UV stabilized polycarbonate with integral prisms. Maximum wall thickness 0.160". Secured to housing with die cast aluminum clamps and stainless steel TORX® head screws.

End Caps

Die cast marine grade aluminum with conduit knockouts that are visible from interior of end cap.

Drivers

Dimming to 1%, 10% or Programmable Lumen Output driver options. Non-Dimming Driver is also available.

LED

Samsung LM561B+ series @ 2700K, 3000K, 3500K, 4000K, or 5000K and 82 CRI wired in parallel-series. L₇₀ projected life of over 130,000 hours at 50°C.

UL Listing

U.L., C.U.L., Damp Location Listing standard, Wet Location Listing optional.

Buy American

Luminaire LED, LLC products are assembled in the USA. Our products meet the Buy America(n) government procurement requirements under FAR, DFARS, and DOT. Please refer to www.aculitybrands.com/buy-american for additional information.

Warranty

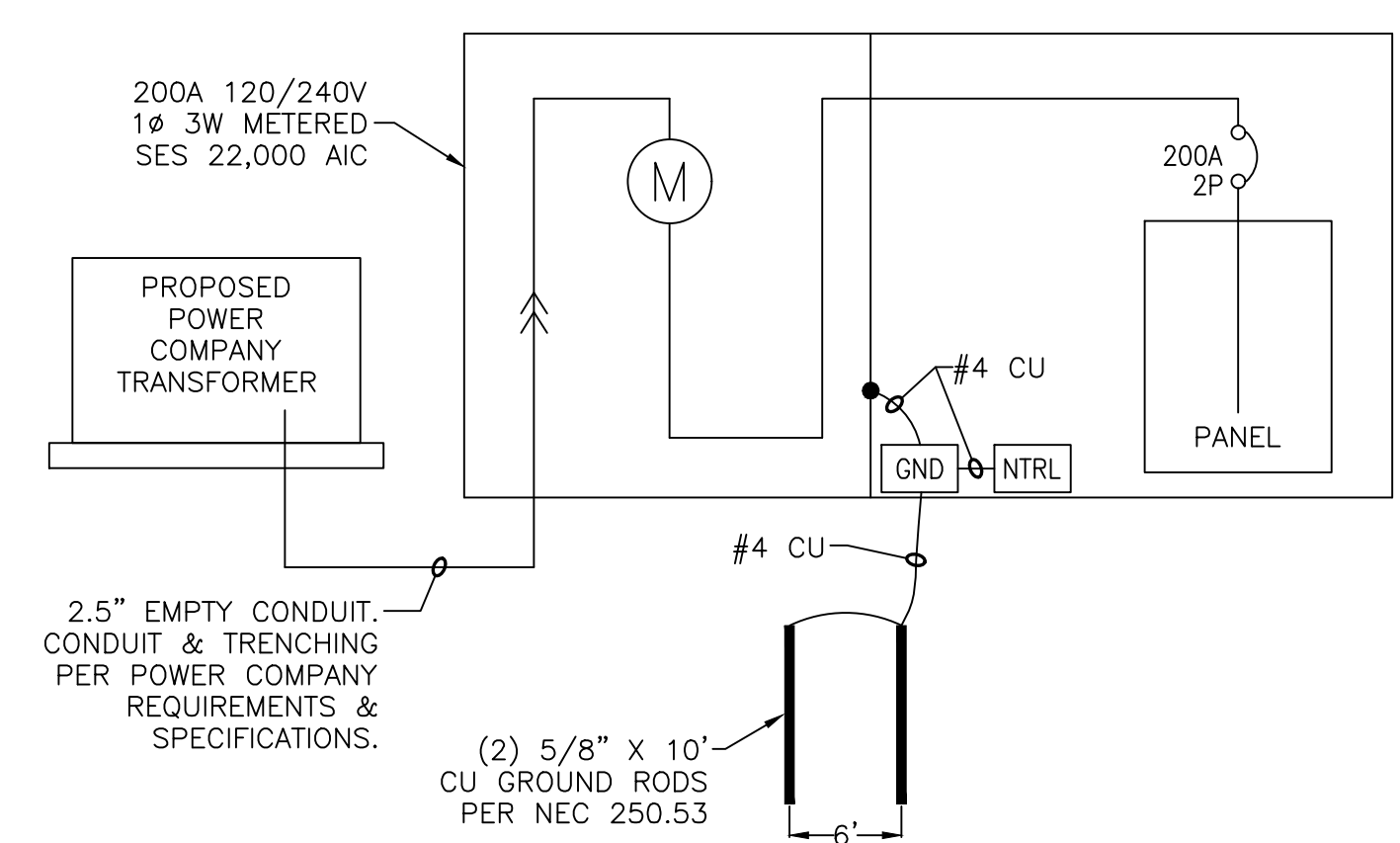
Lifetime warranty against vandalism. Luminaire LED will repair or replace any fixture damaged due to vandalism for the lifetime of the installation.
10-year warranty on LED boards against operational defects. Tested in accordance with LM-80.

Note

Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

DIMENSIONAL DATA

	A	B	C
VPF4 1FT	15.50	4.35	2.70
VPF4 2FT	26.10	4.35	2.70
VPF4 3FT	37.88	4.35	2.70
VPF4 4FT	49.69	4.35	2.70



3B 200A SINGLE LINE DIAGRAM
NO SCALE 120/240V 1Ø 3W

WRIGHT ENGINEERING
PROJECT NO:
22353
DESIGN BY: CDC
DRAWN BY: CDC
CHECKED BY:

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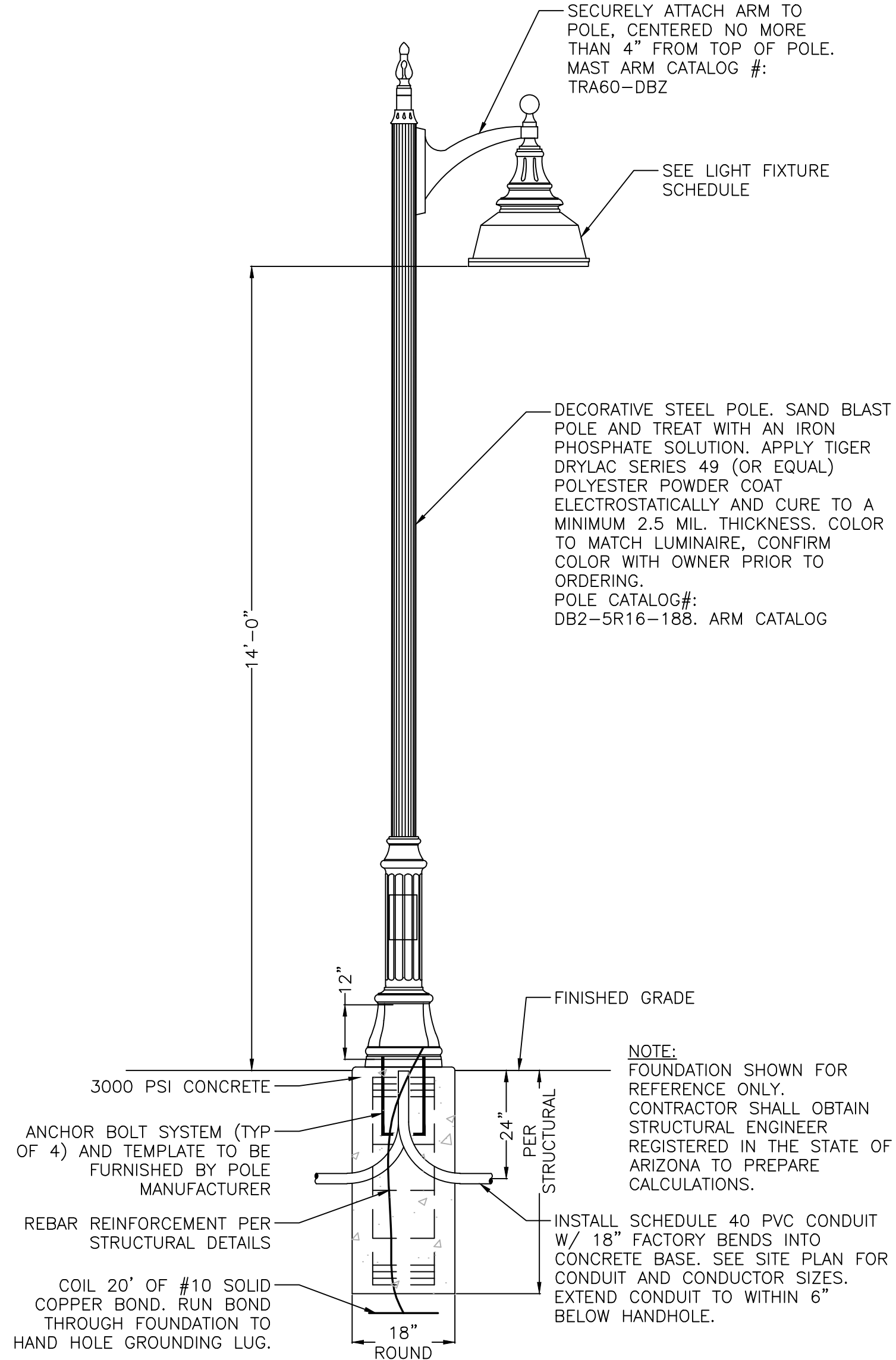
PROJECT: TITLE:
MARICOPA, ARIZONA
THE LOFTS ON EDISON
WILSON AVE & EDISON RD
SITE ELECTRICAL DETAILS

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1	7-25-22	30% SUBMITTAL

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DRAWING NO:
SE3.1
OF 3





6 FLUSH FOUNDATION STEEL AREA LIGHT DETAIL
 NO SCALE

DATE: LOCATION:
 TYPE: PROJECT:
 CATALOG #:

DB2 DECORATIVE POLE

SPECIFICATIONS

CONSTRUCTION

- Poles shall be cast aluminum #356 alloy, free of any porosity, foreign materials, or cosmetic flaws. Base casting shall be heat treated to a T6 condition, and of uniform wall thickness, with no warping or mold shifting.

WARNINGS

- Caution must be exercised in the selection of a design wind speed when the pole is to be installed in a special wind region (as indicated by the wind map) or in an area where wind speed is unpredictable.
- AAL recommends consulting a local engineer when the pole is to be installed in an area that may be subject to adverse weather and exposure.
- Poles installed on structures such as buildings and bridges may be subjected to vibration, oscillations, and other fatigue effects which are not covered by the AAL warranty.
- The use of banners or other appendages can severely affect the loading of a pole. No banner or other appendage should be attached to an AAL pole unless approved by AAL.
- If the products are to be used on an existing foundation or on other structures, the customer assumes all responsibility for the structural integrity of the existing foundation, anchorage on structures and all the consequences arising there from.

ORDERING GUIDE

Example: DB2-5R16-188-BLS-F51

Base	Pole*	GM†	Finish	Options
DB2	5' Round	5R16	BLS	PH Terrain 2 3/8" Ø x 4"
			BLT	FS1 Terrain 2 3/8" Ø x 2 1/4"
			DBS	FS2 Single Side Arm
			DBT	LR Double Side Arm
			GTT	PCAR†
			LSG	
			LOT	
			PSG	
			VGT	
			WHS	
			WMT	
			CC	Custom Color†
			PLT	
			RBC	

CAUTION

- Poles should never be erected without the luminaires installed.
- Anchor bolts shall be hot dip galvanized steel. Six galvanized hex nuts and flat washers, and a bolt circle template shall be provided. Anchor bolts for poles 14 feet high or less are 3/4" x 24" x 3". Anchor bolts for poles more than 14 feet high are 1" x 36" x 4".

CERTIFICATION

Certified UL 1598 in accordance with Article 410 of ANSI/NFPA 70, National Electrical Code.

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 aal_DB2_arm_301

DATE: LOCATION:
 TYPE: PROJECT:
 CATALOG #:

PRM22 DECORATIVE

FEATURES

- Reliable, uniform, glare free illumination
- Types 1, 2, 3, 4V, 5Q, and 5W distributors
- 3000K, 4000K, 5000K CCT
- 0-10V dimming ready
- Integral surge suppression
- Upgrade Kits

PROMENADE

Product PRM22
 RELATED PRODUCTS
 # PRM22 # PRM22 # PRM22 # PRM22

SPECIFICATIONS

CONSTRUCTION

- All housing components aluminum 360 alloy, sealed with continuous silicone rubber gaskets.
- Standard configurations do not require a flat lens, optional lenses is tempered glass.
- All internal and external hardware is stainless steel.
- Finish, fade and abrasion resistant, electrostatically applied, thermally cured, triglycidic epoxy/urethane (TGIC) polyester powdercoat.
- Optical bezel finish is match the luminaire housing.
- Cartridge is easily disassembled to replace components. Cartridge are held in place without the use of adhesives.
- Molded silicone gasket ensures weather proof seal around each individual LED.
- Features revolutionary individual LED optical control based on high performance TIR optical design.
- House Side Shield is available on Standard and Clear Lens options except any Type 5 distributor. House Side Shield is not available for any distribution using a Diffused Lens.

INSTALLATION

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.
- Luminaires have integral surge protection, UL recognized and have a surge current rating of 8000Amp using the industry standard 820uSec wave and surge rating of 37.2A current maximum at 4000 Amps maximum at 230VAC.
- K00-RL dimming single. Fixture will be wired for low voltage 0-10V dimming control.
- Driver and surge suppressor are mounted to a prewired tray with quick disconnect that may be removed from the gear compartment.

ELECTRICAL

- Luminaires have integral surge protection, UL recognized and have a surge current rating of 8000Amp using the industry standard 820uSec wave and surge rating of 37.2A current maximum at 4000 Amps maximum at 230VAC.
- K00-RL dimming single. Fixture will be wired for low voltage 0-10V dimming control.

CERTIFICATIONS

- ETL, listed under UL 1598 and CSA C22.2 No. 250.0-08 for wet locations.
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy Agreements effective 6/06/2020. See Buz. American Solutions.

WARRANTY

- See UL1 Standard Warranty for additional information.

KEY DATA

LUMEN RANGE	8,200-16,000
WATTAGE RANGE	70-160
EFFICACY RANGE (LPW)	109.7-140.4
INPUT CURRENT RANGE (mA)	310-700 mA
WEIGHT	45 lbs/20.4 kg
EPA	1.9

Hubbell Lighting

NO.	DATE	SUBMITTALS/REVISIONS (DESCRIPTIONS)
1	7-25-22	30% SUBMITTAL

PRELIMINARY
 NOT FOR
 CONSTRUCTION