

LIGHTING SYMBOLS

MARK

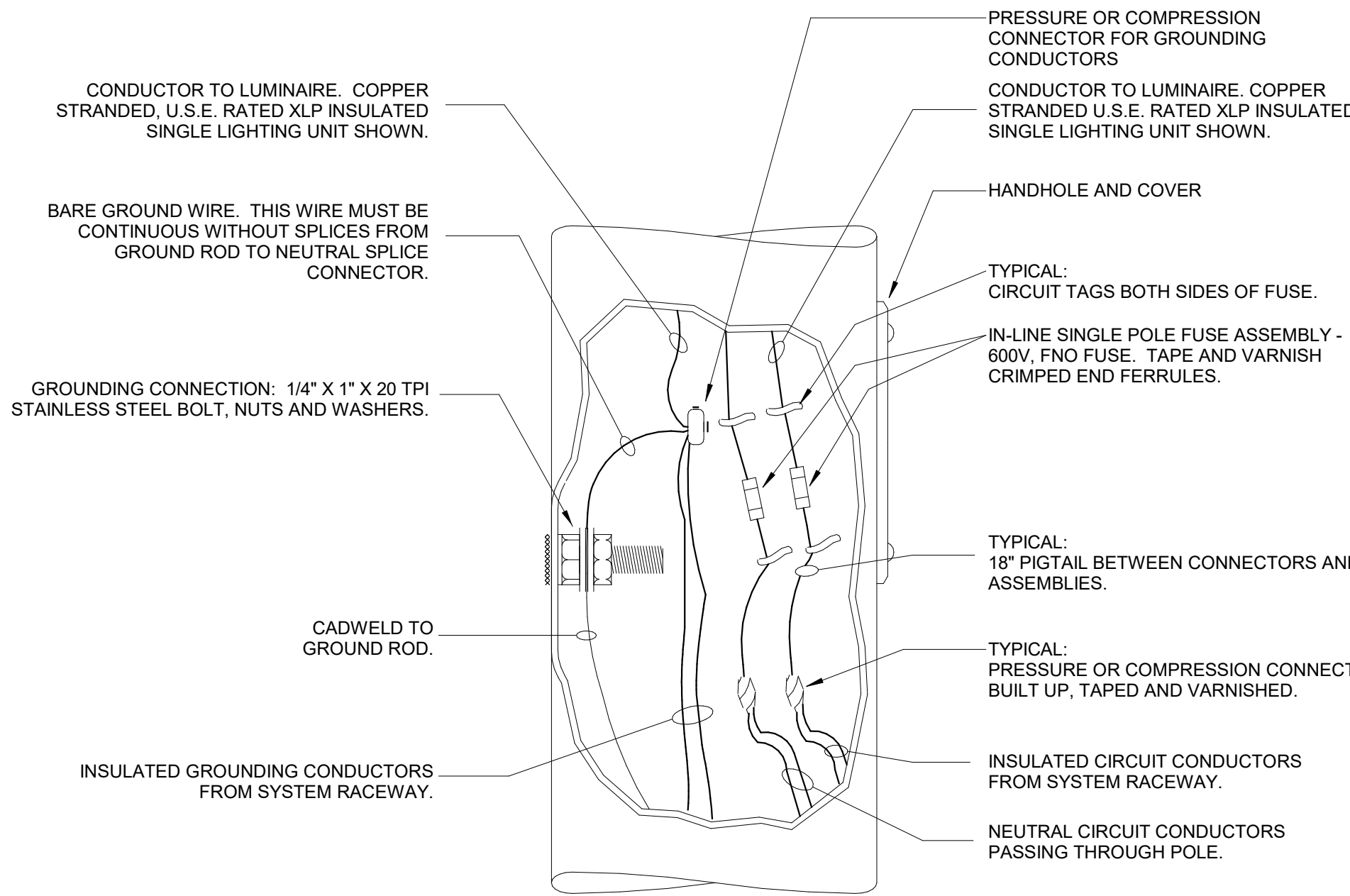
DESCRIPTION



LED ROADWAY LIGHT FIXTURE; POLE MOUNTED
(REFER TO LIGHTING FIXTURE SCHEDULE FOR MORE
INFORMATION)

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
C	CONDUIT
EC	ELECTRICAL CONTRACTOR
EM	EQUIPMENT MANUFACTURERS
GND	GROUND
JB	JUNCTION BOX
KV	KILOVOLT(S)
KVA	KILOVOLT AMPERE(S)
KVAR	KILOVOLT AMPERE(S) REACTIVE
KW	KILOWATTS
MC	MECHANICAL CONTRACTOR
MTD	MOUNTED
NC	NOT IN CONTRACT
NTS	NOT TO SCALE
OHC	OVERHEAD CABLE TV
OHE	OVERHEAD ELECTRICAL
PNL	PANEL
PSP	POWER SERVICE POINT
RSC	RIGID STEEL CONDUIT
TYP	TYPICAL
UG	UNDERGROUND (TYPICALLY POWER, UNO)
UGE	UNDERGROUND ELECTRIC
UGF	UNDERGROUND FIBER (TYPICALLY ON CONDUIT)
UGS	UNDERGROUND SPARE CONDUIT
UCT	UNDERGROUND TELECOMMUNICATIONS
U.N.O.	UNLESS NOTED OTHERWISE
W/O	WITHOUT
V	VOLT(S)
W/	WITH
+..	HEIGHT ABOVE FINISHED FLOOR



LIGHTING POLE WIRING LAYOUT NOTES:

- ALL LIGHTING POLES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MESA'S STREETLIGHT TECHNICAL MANUAL.

3 LIGHTING POLE WIRING LAYOUT
NOT TO SCALE

GENERAL NOTES

- ALL EXTERNAL LIGHTING SHALL BE LOCATED AND DESIGNED WITH FULL CUTOFF AND NO LIGHT TRESPASSING TO ANY ADJACENT PROPERTY.
- ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MESA'S ENGINEERING & DESIGN STANDARDS AND STREET LIGHT TECHNICAL MANUAL.
- REFER TO CHAPTER 9 - PUBLIC STREET LIGHTING REQUIREMENTS IN THE CITY OF MESA'S ENGINEERING & DESIGN STANDARDS FOR INFORMATION ON LIGHTING DESIGN REQUIREMENTS.
- LIGHTING DESIGNED ASSUMES A STREET CLASSIFICATION OF COLLECTOR AND A PEDESTRIAN AREA OF LOW TRAFFIC.



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OWNER

CONSULTANTS



KEY PLAN

PROJECT INFORMATION

East Mesa Industrial

NW Corner Ray Rd &
Ellsworth Rd
Mesa, Arizona 85201

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 Arizona

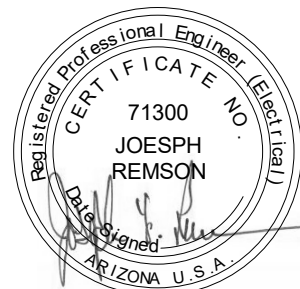
Joseph Remson

REGISTRATION NO. DATE
71300 02/22/21

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DRAWN BY CHECKED BY
JDJ JFR
JOB NO. DATE
701039 02/22/2021

ISSUE RECORD		
ISSUE #	DATE	DESCRIPTION



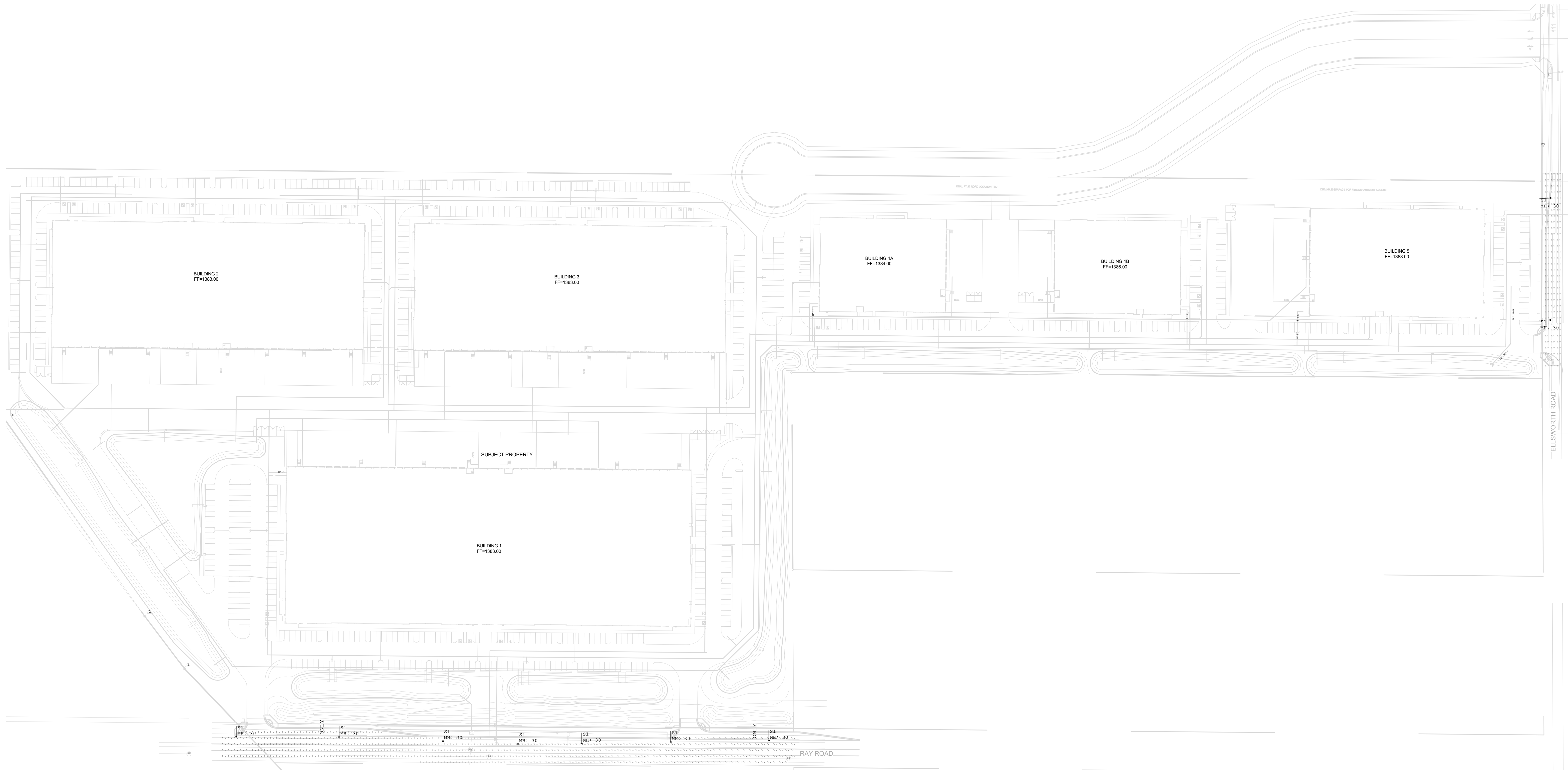
02/22/2021
LICENSE EXPIRES 06/30/2023

PLANNING
RESUBMITTAL

02/22/2021

SITE PLAN -
STREETSCAPE
PHOTOMETRICS

E700



1 SITE STREETSCAPE PHOTOMETRIC PLAN
1" = 80'-0"

SITE LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MOUNTING	MOUNTING HEIGHT	LAMP	VOLT	WATT	CATALOG NUMBER	MANUFACTURER	NOTES
S1	GE EVOLVE, LED ROADWAY LIGHTING	POLE	+30' AFF	LED	120-277	98	ERLH-11B330	GE	
NOTES:									
1. LIGHTING FIXTURE HEIGHT IS MEASURED FROM "BOTTOM OF FIXTURE" OR FIXTURE'S LENS TO ABOVE FINISHED FLOOR.									
2. LIGHTING FIXTURE HEIGHT AND ARM LENGTH ARE BASED ON THE 300 SERIES DAVIT STREETLIGHT POLE IN THE CITY OF MESA'S STREETLIGHT TECHNICAL MANUAL.									

SITE LIGHTING CALCULATION SUMMARY			
LABEL	UNIT	AVERAGE	UNIFORMITY RATIO (AVG/MIN)
ELLSWORTH ROAD	FC	1.17	3.90
RAY ROAD	FC	1.12	3.73
NOTES:			
1. LIGHTING FIXTURE HEIGHT IS MEASURED FROM "BOTTOM OF FIXTURE" OR FIXTURE'S LENS TO ABOVE FINISHED FLOOR.			
2. MINIMUM AVERAGE VALUE PROVES TO MEET THE MINIMUM RECOMMENDED VALUE OF 0.6 FOOTCANDLES PER TABLE 2 OF RP-8-00.			
3. THE UNIFORMITY RATIO DOES NOT EXCEED 4.0 FOOTCANDLES PROVIDED BY TABLE 2 OF RP-8-00.			

