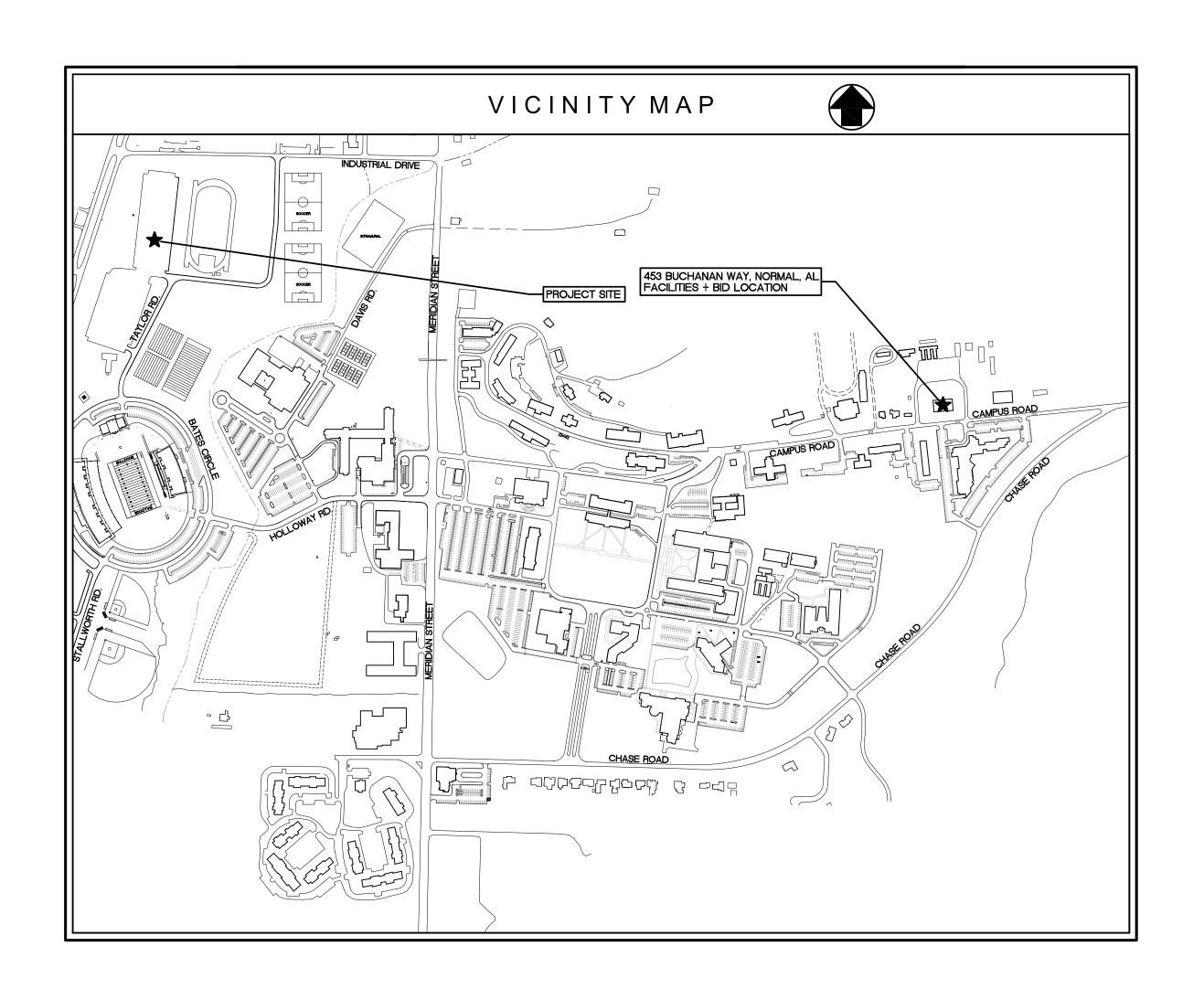
ALABAMA A&M UNIVERSITY TAILGATE ELECTRICAL NORMAL, ALABAMA

NOLA | VANPEURSEM ARCHITECTS PROJECT NUMBER 23395 DIVISION OF CONSTRUCTION MANAGEMENT NUMBER UNASSIGNED



ELECTRICAL ENGINEER DECEMBER 20, 2023

NOLA | VANPEURSEM ARCHITECTS, P.C.

ARCHITECT

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P.O. BOX 127 GURLEY, ALABAMA 35748 (256) 203-6373 SET NUMBER

ALABAMA A&M UNIVERSITY

INDEX OF DRAWINGS

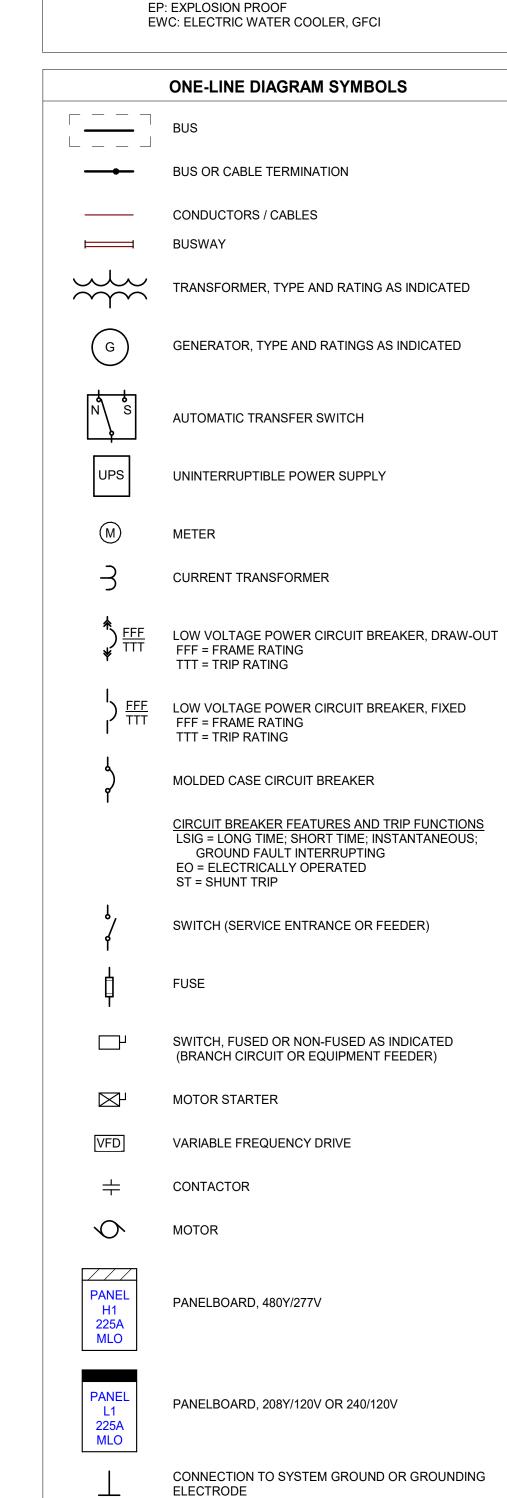
ELECTRICAL

RV PARKING ELECTRICAL PLAN

RV PARKING DETAILS

RV PARKING PHOTOMETRIC PLAN-ALTERNATE





ANNOTATIONS

○── 800.4 FEEDER TAG - REFER TO FEEDER SCHEDULE

POWER DEVICES

SIMPLEX RECEPTACLE, NEMA 5-20R

DUPLEX RECEPTACLE, CEILING

QUADRUPLEX RECEPTACLE

RECEPTACLE DESIGNATIONS:

TR: TAMPER RESISTANT

JUNCTION BOX

DUPLEX RECEPTACLE, NEMA 5-20R U.O.N.

DUPLEX RECEPTACLE, COUNTER HEIGHT

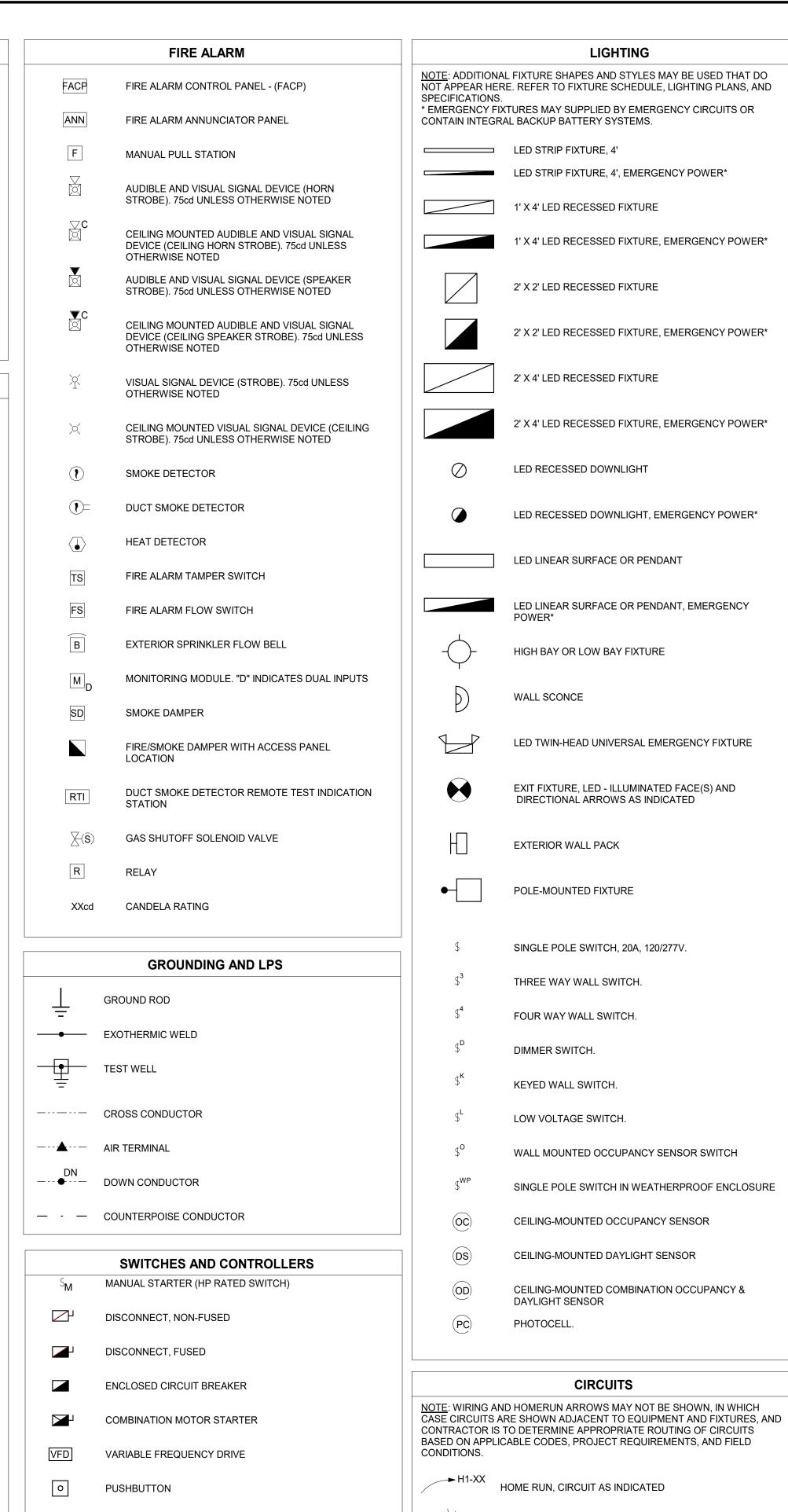
FLOOR BOX - RECEPTACLES AS INDICATED

SPECIAL RECEPTACLE 480V- RATING AS NOTED

GF: GROUND FAULT CIRCUIT INTERRUPTER

WP: GFCI WITH WEATHERPROOF COVER

SPECIAL RECEPTACLE 208 OR 240V- RATING AS NOTED



DISCONNECT/ENCLOSED BREAKER RATINGS

FF: FUSE/TRIP RATING; " * " = NON-FUSED

X: ENCLOSURE TYPE, NEMA 1 IF OMITTED

X: ENCLOSURE TYPE, NEMA 1 IF OMITTED

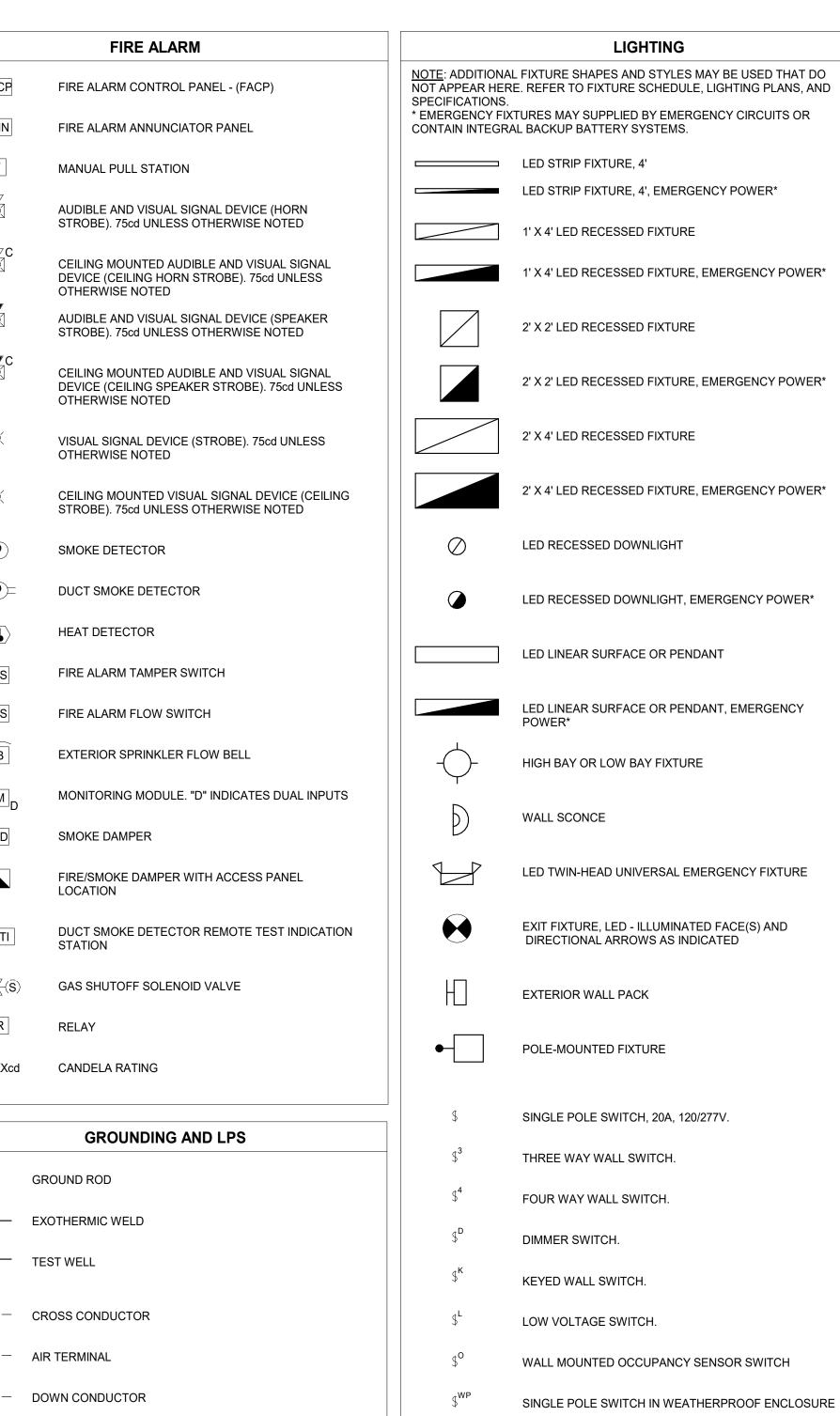
RR: CONTINUOUS/FRAME RATING

P: NUMBER OF POLES

COMBINATION STARTER RATINGS

SS: NEMA STARTER SIZE

P: NUMBER OF POLES BB: BREAKER SIZE



SINGLE POLE SWITCH, 20A, 120/277V.		
	RACEWAY A	ND ENCLOSURES
THREE WAY WALL SWITCH.	———— CONDUIT, EXPOSED	OR ABOVE CEILING
FOUR WAY WALL SWITCH.	— — CONDUIT, UNDERG	ROUND
DIMMER SWITCH.	————O CONDUIT, TURNED	
KEYED WALL SWITCH.	CONDUIT, TURNED	DOWN
LOW VOLTAGE SWITCH.	CABLE TRAY, LADDI	ER TYPE
	CABLE TRAY, WIRE	BASKET TYPE
WALL MOUNTED OCCUPANCY SENSOR SWITCH	MANHOLE OR HAND	HOLE, AS INDICATED
SINGLE POLE SWITCH IN WEATHERPROOF ENCLOSURE	MISCELLANEOUS EI	NCLOSURE OR WIREWA
CEILING-MOUNTED OCCUPANCY SENSOR	16 X 30 SIZE AS INDICATED	
CEILING-MOUNTED DAYLIGHT SENSOR		
	DEVICE MOU	NTING HEIGHTS
CEILING-MOUNTED COMBINATION OCCUPANCY & DAYLIGHT SENSOR	SWITCHES	48" AFF TO CENTER LII
DATLIGHT SENSOR	RECEPTACLES	18" AFF TO CENTER LII
PHOTOCELL.	COUNTER HEIGHT RECEPTACLES	48" AFF TO CENTER LII ABOVE BACKSPLASH U
	TELEPHONE/DATA OUTLET (OFFICES)	
	WALL MOUNTED TELEPHONE	48" AFF TO CENTER LI
CIRCUITS	FIRE ALARM PULL STATIONS	48" TO CENTER LINE O
	FIRE ALARM SPEAKER/STROBES	80" TO BOTTOM OF ST

HOME RUN, CIRCUIT AS INDICATED

SHORT: HOT CONDUCTOR(S)

TOP: HOT CONDUCTOR(S)

LONG: NEUTRAL CONDUCTOR(S)

DIAGONAL: GROUND CONDUCTOR (S)

HOMERUN OR BRANCH CONDUCTOR TAG

BOTTOM: GROUND CONDUCTOR(S)

MIDDLE (IF SHOWN): NEÙTRAL CONDUCTOR(S)

WIRE TICK MARKS:

	DEVICE MOUNTING HEIGHTS											
	SWITCHES	48" AFF TO CENTER LINE OF BOX, UON										
	RECEPTACLES	18" AFF TO CENTER LINE, UON										
	COUNTER HEIGHT RECEPTACLES	48" AFF TO CENTER LINE OR 2" ABOVE BACKSPLASH UON										
-	TELEPHONE/DATA OUTLET (OFFICES)	18" AFF TO CENTER LINE, UON										
	WALL MOUNTED TELEPHONE	48" AFF TO CENTER LINE OF BOX, UON										
I	FIRE ALARM PULL STATIONS	48" TO CENTER LINE OF BOX										
ı	FIRE ALARM SPEAKER/STROBES	80" TO BOTTOM OF STROBE										
ı	EXTERIOR WALL RECEPTACLES	24" AFG TO BOTTOM, UON										

MISCELLANEOUS ENCLOSURE OR WIREWAY,

DISTRIBUTION EQUIPMENT

DRY-TYPE TRANSFORMER, RATING AS MARKED

PANELBOARD - 208Y/120V OR 240/120V, REFER TO

PANELBOARD - 480Y/277V, REFER TO SCHEDULES

SWITCHBOARD OR SWITCHGEAR, REFER TO

SCHEDULES AND ONE-LINE DIAGRAMS

COMMUNICATIONS

TTB (TELEPHONE BACKBOARD)

WIRELESS ACCESS POINT

TV OUTLET

CARD READER

ELECTRIC STRIKE

DOOR CONTACT

CAMERA

 $\mathsf{CAM} \lhd$

WINDOW CONTACT

MAGNETIC DOOR HOLDER

SECURITY SYSTEM PANEL

INFRARED MOTION SENSOR

VOICE OUTLET, # OF RJ-11 PORTS AS INDICATED

DATA OUTLET, # OF RJ-45 PORTS AS INDICATED

COMBINATION VOICE/DATA OUTLET, AS INDICATED

VOICE/DATA FLOOR OUTLET, # OF RJ-45 PORTS AS

DATA JUNCTION BOX, SERVICE AS INDICATED

AUDIO SPEAKER (PROVIDED BY OWNER)

SECURITY

DATA FLOOR OUTLET, # OF RJ-45 PORTS AS INDICATED

SCHEDULES AND ONE-LINE DIAGRAMS

AND ONE-LINE DIAGRAMS

SURGE PROTECTIVE DEVICE

AUTOMATIC TRANSFER SWITCH

	ABBREVIATION	S AND AC	RONYMS
A	AMPERES	MCB	MAIN CIRCUIT BREAKER
AC	ALTERNATING CURRENT	MLO	MAIN LUG ONLY
ADA	AMERICANS WITH DISABILITIES ACT	N	NEUTRAL
AFF	ABOVE FINISHED FLOOR	NA	NOT APPLICABLE
AFG	ABOVE FINISHED GRADE	N.C.	NORMALLY CLOSED
AHU	AIR HANDLING UNIT	NF	NON-FUSED
AIC	AMPERE INTERRUPTING CAPACITY	NEC	NATIONAL ELECTRICAL CODE
ASSOC	ASSOCIATION	NIC	NOT IN CONTRACT
A/V	AUDIO VISUAL	NEMA	NATIONAL ELECTRICAL MANUF ASSOC
AWG	AMERICAN WIRE GAUGE	NFPA	NATIONAL FIRE PROTECTION ASSOC
BAS	BUILDING AUTOMATION SYSTEM	NL	NIGHT LIGHTING
С	CONDUIT	N.O.	NORMALLY OPEN
CLG	CEILING	NRTL	NATIONALLY RECOGNIZED TESTING LABORATOR
COMM	COMMUNICATION	NTS	NOT TO SCALE
CU	COPPER	O.C.	ON CENTER
DISC	DISCONNECT	OCPD	OVER CURRENT PROTECTION DEVICE
DIV	DIVISION	OH	OVERHEAD
DWG	DRAWING	PNL	PANELBOARD
ECB	ENCLOSED CIRCUIT BREAKER	PROJ	PROJECTOR
EF	EXHAUST FAN	PVC	POLYVINYL CHLORIDE
ELEC	ELECTRICAL	RM	ROOM
EM	EMERGENCY	RECPT(S)	
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM	RGS	RIGID GALVANIZED STEEL
EMT	ELECTRICAL METALLIC TUBING	SN	SOLID NEUTRAL
EST	ESTIMATED	SEC	SECURITY
ETR	EXISTING TO REMAIN	SPD	SURGE PROTECTION DEVICE
FCO	FUSED CUT-OUT	SPEC	SPECIFICATION
GF	GROUND FAULT CIRCUIT INTERRUPTER	SPST	SINGLE POLE SINGLE THROW
GND	GROUND	SQ	SQUARE
HVAC	HEATING, VENTILATING & AIR CONDITIONING	SW	SWITCH
JBOX	JUNCTION BOX	TEL	TELEPHONE
KAIC	(THOUSAND) AMPERE INTERRUPTING CAPACITY	TEMP	TEMPORARY
KCMIL	THOUSAND OF CIRCULAR MILS	TTC	TELEPHONE TERMINAL CABINET
KVA	KILOVOLT-AMPERES	TYP	TYPICAL
KW	KILOWATT	ÜĞ	UNDERGROUND
LC	LIGHTING CONTACTOR	ÜH	UNIT HEATER
LCP	LIGHTING CONTROL PANEL	UON	UNLESS OTHERWISE NOTED
LED	LIGHT EMITTING DIODE	USB	UNIVERSAL SERIAL BUS
LTG	LIGHTING	V	VOLTS
LTS	LIGHTS	W	WIRE
101	LONG CHORT MICTANITANIECHIC	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	WEATHER RROOF

GENERAL NOTES:

EQUIPMENT LOCATIONS.

LONG, SHORT, INSTANTANEOUS

MANUFACTURER

LONG, SHORT, INSTANTANEOUS, GROUND FAULT XFMR

THOROUGHLY REVIEW ALL DESIGN DOCUMENTS TO ASSURE THAT ELECTRICAL SERVICE FOR ALL ITEMS AND/OR EQUIPMENT REQUIRING ELECTRICAL SERVICE IS INCLUDED. ANY ITEM AND/OR EQUIPMENT NOT PROVIDED WITH ELECTRICAL SERVICE, REQUIRING ELECTRICAL SERVICE, SHALL BE IMMEDIATELY BROUGHT TO THE ARCHITECT AND

WEATHER PROOF

WYE (CONNECTED)

TRANSFORMER

FOR UNDERGROUND CONDUITS 1-1/2" AND LARGER, PROVIDE MASTIC COATED GALVANIZED RIGID METAL SWEEPS AND BENDS. PROVIDE MASTIC AROUND ALL THREADS AFTER CONDUIT ASSEMBLY.

WIRE AND CONDUIT SYSTEMS ARE SHOWN DIAGRAMMATICALLY AND SHALL BE ROUTED TO SUIT FIELD CONDITIONS AND

. ALL WORK SHALL BE IN COMPLIANCE WITH THE LOCALLY ADOPTED NEC, LOCAL ORDINANCES AND REGULATIONS.

ADJUST WIRE AND CONDUIT SIZES FOR VOLTAGE DROP OF 3% ON ALL BRANCH CIRCUITING.

6. ALL CIRCUIT BREAKERS OR LUGS INSTALLED IN PANELBOARDS SHALL BE BOLT-ON TYPE. PLUG-IN STYLE CIRCUIT

CONTRACTOR IS RESPONSIBLE FOR ENSURING CIRCUITS SUPPLYING EQUIPMENT THAT IS PROVIDED BY OTHER TRADES ARE COMPATIBLE WITH THE ACTUAL EQUIPMENT TO BE INSTALLED. CONTRACTOR SHALL ENSURE VOLTAGE, CIRCUIT RATING, CONNECTION TYPE, AND PROTECTIVE DEVICES ARE COORDINATED FOR EACH PIECE OF EQUIPMENT. SHOP DRAWINGS AND PRODUCT DATA FOR MATERIALS PROVIDED UNDER OTHER TRADES, BUT THAT REQUIRE ELECTRICAL SUPPLY, SHALL BEAR THE STAMP OR SIGNATURE OF THE ELECTRICAL CONTRACTOR CONFIRMING A COORDINATION REVIEW PRIOR TO REVIEW BY THE ENGINEER OF RECORD. THE ABSENCE OF SUCH STAMP OR SIGNATURE CONFIRMING

COORDINATION REVIEW MAY RESULT IN REJECTION OF APPLICABLE SUBMITTALS OR SHOP DRAWINGS. NO ADDITIONAL

COST TO THE CONTRACT SHALL BE AWARDED FOR FAILURE TO COORDINATE THE PROPER CONNECTIONS TO EQUIPMENT.

PROVIDE GFCI CIRCUIT BREAKERS TO PROTECT PERMANENTLY INSTALLED APPLIANCES THAT REQUIRE GROUND FAULT CIRCUIT PROTECTION FOR PERSONNEL IN ACCORDANCE WITH NEC ARTICLES 210 AND 422.

FIELD MARK ELECTRICAL SERVICE EQUIPMENT WITH A CONSPICUOUS AND PERMANENT LABEL THAT INDICATES THE AVAILABLE FAULT CURRENT IN ACCORDANCE WITH NEC 110.24.

10. PROVIDE ARC-FLASH WARNING LABELS THAT COMPLY WITH NEC 110.16(A) ON ELECTRICAL EQUIPMENT.

. PANELBOARDS SUPPLIED BY A FEEDER SHALL BE MARKED IN THE FIELD TO INDICATE THE DEVICE OR EQUIPMENT WHERE

THE POWER SUPPLY ORIGINATES. 12. MULTIPLE, REPEATED REVIEWS OF SUBMITTALS/SHOP DRAWINGS WILL INCUR ADDITIONAL SERVICES AT THE CURRENT

BILLING RATE FOR THE TIME REQUIRED TO PERFORM SUBSEQUENT REVIEWS AND TO COORDINATE THE REQUIREMENTS

13. CURRENT MARKET CONDITIONS HAVE LED TO UNUSUALLY LONG EQUIPMENT LEAD TIMES. IN SOME CASES, WITH PERMISSION FROM THE OWNER AND ARCHITECT, TEMPORARY EQUIPMENT MAY BE INSTALLED IN PLACE OF PERMANENT EQUIPMENT, WHILE WAITING ON FINAL DELIVERY OF EQUIPMENT. IN SUCH CASES, THE TEMPORARY EQUIPMENT MUST MEET APPLICABLE CONTINUOUS, SHORT-CIRCUIT, AND VOLTAGE RATINGS. THE USE OF TEMPORARY EQUIPMENT DOES NOT ALLEVIATE THE RESPONSIBILITY OF THE CONTRACTOR TO MEET APPLICABLE CODES AND STANDARDS.

CONTRACTOR SHALL PROVIDE SEPARATE BID PRICING FOR THE FOLLOWING ALTERNATES, TO BE SELECTED AT THE DISCRETION OF ALABAMA A&M UNIVERSITY.

ADD-ALTERNATE #1: PROVIDE A SERVICE-ENTRANCE-RATED1200A, 120/208 3PH, 4W MANUAL TRANSFER SWITCH AHEAD OF SERVICE DISCONNECTS #1, #2, AND #3. MANUAL TRANSFER SWITCH SHALL INCLUDE AN ATTACHED GENERATOR CONNECTION BOX. MODIFY EQUIPMENT RACK AT STL#1 TO ACCOMODATE THE MTS AS REQUIRED. BASIS OF DESIGN IS TRYSTAR #TMTS-123W-LLM-ACDR. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.

ADD-ALTERNATE #2: PROVIDE ADDITIONAL LIGHT POLES AND INCREASE POLE HEIGHT TO 40' TO ACHIEVE ELEVATED LIGHTING LEVELS. REFER TO ALTERNATE PHOTOMETRIC PLAN FOR FIXTURE TYPES, QUANTITIES, LOCATIONS, AND CIRCUIT ASSIGNMENTS.

PO BOX 127 GURLEY AL 35748 AL CERT OF AUTH: ECA50597

PROFESSIONAL WGINEER DANIL

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JOB NUMBER

REA / JTD / 12/20/2023 DRAWN - CHECKED - DATE

REVISIONS Description Date

LEGEND

1-1/2" PVC —

PED N01

144

1-1/2" PVC -

NTL- 6

153

157

169

170

174

175

176

177

178

179

180

181

182

183

PED N05

145 146 147 148 149 150

201

200

199

198

197

195

193

192

191

190

222

223

225

226

242

244

245

246

247

248

255

119

116

115

114

113

112

111

110

109

108

107

106

ENTIRE BRANCH CIRCUIT SHALL UTILIZE SAME CONDUCTOR SIZE AND QUANTITY BETWEEN

. INSTALL HAND-HOLES IN CONDUIT RUNS SO THAT NO PULL SEGMENT EXCEEDS 300'. REFER TO

OUTLETS AS HOMERUN UNLESS OTHERWISE NOTED.

DETAIL E501/#4 FOR TYPICAL HAND-HOLE CONFIGURATION.

POWER KEYED NOTES:

183

EQUIPMENT AND PANEL RACK -REFER TO DETAIL

E501/#8.

DETAIL E501/#6. TYPICAL.

2. 300 KVA PAD-MOUNT TRANSFORMER PROVIDED BY OWNER, INSTALLED BY DIV. 26.

3. UTILIZE EXISTING CONDUITS INSTALLED BENEATH ENTRY DRIVE FOR INDICATED HOMERUNS.

MECHANICAL - ELECTRICAL - PLUMBING
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PO BOX 127 GURLEY AL 35748

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PROFESS

12/21/2022

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AL

ILGATE ELECTRIC,
HUNTSVILLE, AL

JOB NUMBER

REA / JTD / 12/20/2023 DRAWN - CHECKED - DATE

ISIONS

Description

Date

SHEET TITLE

RV PARKING

RV PARKING ELECTRICAL PLAN

SHEET NUMBER
E101

0 15' 30' 60' 0 2" 1" = 30'-0"

KEY PLAN



1 RV PARKING ELECTRICAL PLAN - NORTH
1" = 30'-0"

2 RV PARKING ELECTRICAL PLAN - SOUTH
1" = 30'-0"

NORTH

POLE-MOUNTED PARKING/DRIVE AREA LIGHTING
• PHOTO- AND MOTION-SENSORS INTEGRATED INTO POLE-MOUNTED FIXTURES REDUCTION (DIMMING) IN ACCORDANCE WITH IECC AFTER INACTIVITY 1. DEFAULT SCHEDULE SHALL BE DIM TO 50% FROM 9:00 PM TO 5:00 AM AFTER 15 MINUTES OF INACTIVITY 2. RESTORE TO 100% IF ACTIVITY DETECTED

1 RV PARKING ELECTRICAL PLAN - DISTRIBUTION 1" = 60'-0"

KEY PLAN

├ HAND-HOLE **NEW PAD-MOUNT** UTILIZE EXISTING 4" PVC CONDUITS INSTALLED BELOW DRIVE ENTRY. TRANSFORMER OFFSET CONDUITS AS NEEDED TO ACHIEVE DEPTH REQUIRED. ENCASE PORTIONS OF CONDUIT ABOVE 4' EQUIPMENT AND DEPTH. PANEL RACK -REFER TO DETAIL / ∮_14" x 30" x 24"D = HAND HOLE W102 — UTILIZE EXISTING 4" PVC CONDUITS INSTALLED BELOW DRIVE ENTRY. OFFSET CONDUITS AS NEEDED TO ACHIEVE DEPTH REQUIRED. ENCASE PORTIONS OF CONDUIT ABOVE 4' - DIRECTIONAL BORE UNDER ROAD 14" x 30" x 24"D HAND HOLE W101 TRANSITION HDPE TO PVC AS NECESSARY - EXISTING 'S3' SECTIONALIZING

2 RV PARKING LIGHTING PLAN
1" = 60'-0"

STL2- 2,4

(2)#4,#4G = 1-1/4"C

(2)#4,#4G 1-1/4"C

(2)#4,#4G 1-1/4"C - ₹

LIGHTING FIXTURE SCHEDULE_RV PARKING

MANUFACTURER

LITHONIA

LITHONIA

(2)#4,#4G 1-1/4"C

(2)#4,#4G 1-1/4"C

(2)#4,#4G 1-1/4"C

BASIS OF DESIGN

1-1/4"C

DSX2 LED P4 40K 70CRI TFTM

DSX2 LED P4 40K 70CRI T4M

DESCRIPTION

POLE MOUNTED LED LIGHT, 35,000 LUMENS, FORWARD THROW OPTICS, 4000K, 70 CRI; UNIVERSAL MULTI-VOLT DRIVER; 35' STEEL POLE ON 30" CONCRETE POLE BASE; INTEGRAL MOTION AND PHOTO

POLE MOUNTED LED LIGHT, 35,000 LUMENS, TYPE 4 DIST, 4000K, 70 CRI; UNIVERSAL MULTI-VOLT DRIVER; 35' STEEL POLE ON 30" CONCRETE POLE BASE; INTEGRAL MOTION AND PHOTO SENSORS, BLUETOOTH REMOTE PROGRAMMING, SCHEDULED ON/OFF AND DIMMING CONTROL

SENSORS, BLUETOOTH REMOTE PROGRAMMING, SCHEDULED ON/OFF AND DIMMING CONTROL

STL1

(2)#4,#4G

STL1- 2,4

PLA 1-1/4"C

1-1/4"C

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Description

SHEET TITLE

RV PARKING

DISTRIBUTION AND LIGHTING

SHEET NUMBER

E201

REVISIONS

PO BOX 127 GURLEY AL 35748 AL CERT OF AUTH: ECA50597

Alabama AandM Tailgate - Base Project Title: Project Type: **Exterior Lighting Zone** 3 (Other (LZ3)) Construction Site: Owner/Agent: Designer/Contractor Allowed Exterior Lighting Power Area/Surface Category Watts / Wattage (B X C)

mandatory requirements listed in the Inspection Checklist.

John Danilson, Jr., P.E. - Electrical Engineer

South Parking (Parking area) North Parking (Parking area) otal Tradable Watts (a) = Total Allowed Watts = 27733 Total Allowed Supplemental Watts (b) = (a) Wattage tradeoffs are only allowed between tradable areas/surfaces. (b) A supplemental allowance equal to 750 watts may be applied toward compliance of both non-tradable and tradable

Proposed Exterior Lighting Power Lamps/ # of Fixture (C X D) Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast Fixture Fixture Watt. South Parking (Parking area, 145002 ft2): Tradable Wattage

6 400 2400

North Parking (Parking area, 132326 ft2): Tradable Wattage 6 400 2400 Total Tradable Proposed Watts = 4800 erior Lighting PASSES: Design 83% better than code **Exterior Lighting Compliance** Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COM*check* Version COMcheckWeb and to comply with any applicable

+0.8 +0.8 +0.7 +0.7 +0.6 +0.6 +0.6 +0.6 +0.6

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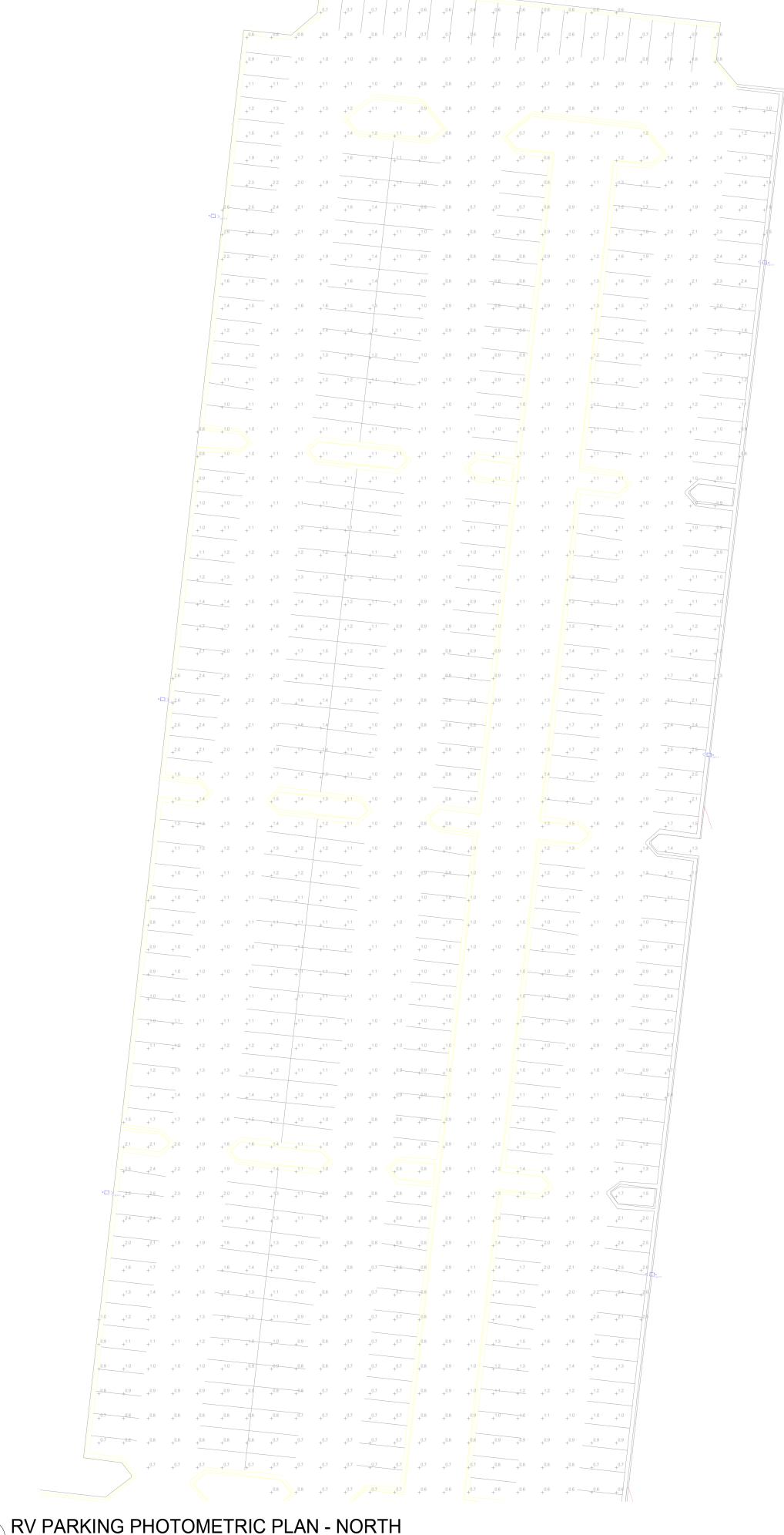
No. Description Date

SHEET TITLE **RV PARKING**

PHOTOMETRIC

SHEET NUMBER E202

KEY PLAN



+1.9 +2.7 +2.0 $+^{13}$ $+^{13}$ $+^{14}$ $+^{14}$ $+^{14}$ $+^{13}$ $+^{12}$ $+^{11}$ $+^{10}$ $+^{0.9}$ $+^{0.9}$ $+^{0.9}$ $+^{0.8}$ $+^{0.7}$ $+^{0.6}$ $+^{0.8}$ $+^{0.6}$ $+^{0.7}$ $+^{0.7}$ $+^{0.8}$ $+^{0.9}$ $+^{1.0}$ $+^{12}$ $+^{14}$ $+^{1.6}$ $+^{2.0}$ $+^{2.2}$ $+^{2.7}$ $+^{2.7}$ $+^{2.7}$ $+ \frac{1.4}{1.4} + \frac{1.4}{1.4} + \frac{1.4}{1.4} + \frac{1.4}{1.4} + \frac{1.3}{1.3} + \frac{1.3}{1.5} + \frac{1.2}{1.5} + \frac{1.1}{1.0} + \frac{1.0}{1.0} + \frac{0.9}{1.0} + \frac{0.8}{1.0} + \frac{0.7}{1.0} + \frac{0.7}{1.0}$ $+^{12}$ $+^{1.4}$ $+^{1.4}$ $+^{1.4}$ $+^{1.4}$ $+^{1.4}$ $+^{1.4}$ $+^{1.5}$ $+^{1.3}$ $+^{1.2}$ $+^{1.2}$ $+^{1.1}$ $+^{1.0}$ $+^{0.9}$ $+^{0.9}$ $+^{0.8}$ $+^{0.8}$ $+^{0.8}$ $+^{0.8}$ $+^{0.8}$ $+^{0.8}$ $+^{0.9}$ $+^{0.9}$ $+^{1.0}$ $+^{1.1}$ $+^{1.5}$ $+^{1.4}$ $+^{1.6}$ $+^{1.7}$ $+^{1.9}$ $+^{1.9}$ +13 +14 +14 +13 +3 +13 +13 +13 +13 +11 +11 +11 +11 +10 +09 +09 +09 +09 +08 +08 +08 +09 +09 +10 +11 +12 +13 +14 +75 +15 +14 $+^{1.7}$ $+^{1.6}$ $+^{1.5}$ $+^{1.5}$ $+^{1.4}$ $+^{1.3}$ $+^{1.7}$ $+^{1.1}$ $+^{1.0}$ $+^{1.0}$ $+^{1.0}$ $+^{0.9}$ $+^{0$ $+^{2.5}$ $+^{2.2}$ $+^{1.9}$ $+^{1.7}$ $+^{1.5}$ $+^{1.3}$ $+^{1.1}$ $+^{1.0}$ $+^{0.9}$ $+^{0.8}$ $+^{0.8}$ $+^{0.8}$ $+^{0.8}$ $+^{0.8}$ $+^{0.8}$ $+^{0.8}$ $+^{0.9}$ $+^{0.9}$ $+^{0.9}$ $+^{1.0}$ $+^{1.0}$ $+^{1.1}$ $+^{1.1}$ $+^{1.1}$ $+^{1.1}$ $+^{1.1}$ $+^{1.1}$ $+^{1.1}$ $+^{1.1}$ $+^{1.1}$ 27 +27 +24 +21 +18 +45 +13 +11 +09 +08 +08 +07 +07 +07 +07 +07 +07 +08 +08 +09 +10 +10 +11 +2.7 +2.7 +2.4 +2.1 +1.7 +4.4 +1.2 +1.0 +0.9 +0.8 +0.7 +0.7 +0.6 +0.6 +0.6 +0.6 +0.6 +0.8 +0.9 $+^{1.7}$ $+^{1.8}$ $+^{1.8}$ $+^{1.7}$ $+^{1.6}$ $+^{1.4}$ $+^{1.3}$ $+^{1.1}$ $+^{0.9}$ $+^{0.8}$ $+^{0.7}$ $+^{0.6}$ $+^{0.5}$ $+^{0.5}$ $+^{0.5}$ $+^{0.5}$ $+^{0.5}$ $+^{0.5}$ $+^{0.6}$ $+^{0.7}$ $+^{0.8}$ $+^{0.9}$ $+^{1.1}$ $+^{1.4}$ $+^{1.6}$ $+^{1.6}$ $+^{1.6}$ $+^{1.6}$ $+^{1.6}$ $+^{1.5}$ $+^{1.5}$ +1.5 +1.6 $+^{1.2}$ $+^{6.3}$ $+^{1.3}$ $+^{1.3}$ $+^{1.3}$ $+^{1.3}$ $+^{1.3}$ $+^{1.3}$ $+^{1.3}$ $+^{1.3}$ $+^{1.3}$ $+^{1.3}$ $+^{1.5}$ $+^{1.8}$ $+^{2.2}$ $+^{2.5}$ $+^{2.8}$ $+^{2.7}$ $+^{1.2}$ $+^{1.3}$ $+^{1$ $+^{1.3} \quad +^{1.3} \quad +^{1.3} \quad +^{1.3} \quad +^{1.3} \quad +^{1.3} \quad +^{1.3} \quad +^{1.2} \quad +^{1.2} \quad +^{1.1} \quad +^{1.1} \quad +^{1.0} \quad +^{1.0} \quad +^{0.9} \quad +^{0.9} \quad +^{0.8} \quad +^{0.8} \quad +^{0.8} \quad +^{0.8} \quad +^{0.8} \quad +^{0.9} \quad +^{0.9} \quad +^{0.9} \quad +^{1.3} \quad +^{1$ +2.6 +2.8 $+ \frac{2.6}{2.5} + \frac{2.2}{2.0} + \frac{2.0}{1.0} + \frac{1.3}{1.0} + \frac{1.1}{1.0} + \frac{1.0}{1.0} + \frac{0.0}{1.0} + \frac{0.6}{1.0} + \frac{0.6}{1.0}$ +2.4 +2.3 +2.2 +2.0 +1.8 +1.5 +1.0 +1.1 +0.9 +0.8 +0.7 +0.8 +0.5 +0.5 +0.5 +0.5 +0.6 +0.6 +0.7 +0.8 +0.9 +1.0 +1.1 +1.3 +1.4 +1.4 +1.4 +1.4 +1.3 +1.3 +1.4 $+^{1.4}$ $+^{1.5}$ $+^{1.5}$ $+^{1.5}$ $+^{1.5}$ $+^{1.4}$ $+^{1.2}$ $+^{1.4}$ $+^{1.2}$ $+^{1.4}$ $+^{0.9}$ $+^{0.8}$ $+^{0.7}$ $+^{0.6}$ $+^{0.5}$ $+^{0$ +1.7 +1.2 +1.3 +1.3 +1.2 +1.1 +1.0 +0.9 +0.8 +0.7 +0.6 +0.5 +0.5 +0.5 +0.5 +0.5 +0.5 +0.6 +0.7 +0.8 +1.0 +1.2 +1.4 +1.6 +1.9 +2.0 +2.2 +2.2+1.0 +1.0 +1.1 +1.1 +1.1 +1.1 +1.0 +0.9 +0.8 +0.7 +0.6 +0.6 +0.5 +0.5 +0.5 +0.5 +0.5 +0.6 +0.6 +0.6 +0.6 +0.7 +0.8 +1.0 +1.4 +1.8 +2.1 +2.4 +2.5 +2.5 +2.5 +2.1 +2.4 +2.5

+27 + 24 + 21 + 17 + 14 + 14 + 10 + 0.8 + 0.7 + 0.6 + 0.6 + 0.5

2 RV PARKING PHOTOMETRIC PLAN - SOUTH
1" = 30'-0"

THIS DRAWING MAY NOT BE

REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT O NOLA|VANPEURSEM ARCHITECT

PROFESSIONAL

AL CERT OF AUTH: ECA50597

PO BOX 127 GURLEY AL 35748

JOB NUMBER

SHEET TITLE

RV PARKING PHOTOMETRIC PLAN-ALTERNATE

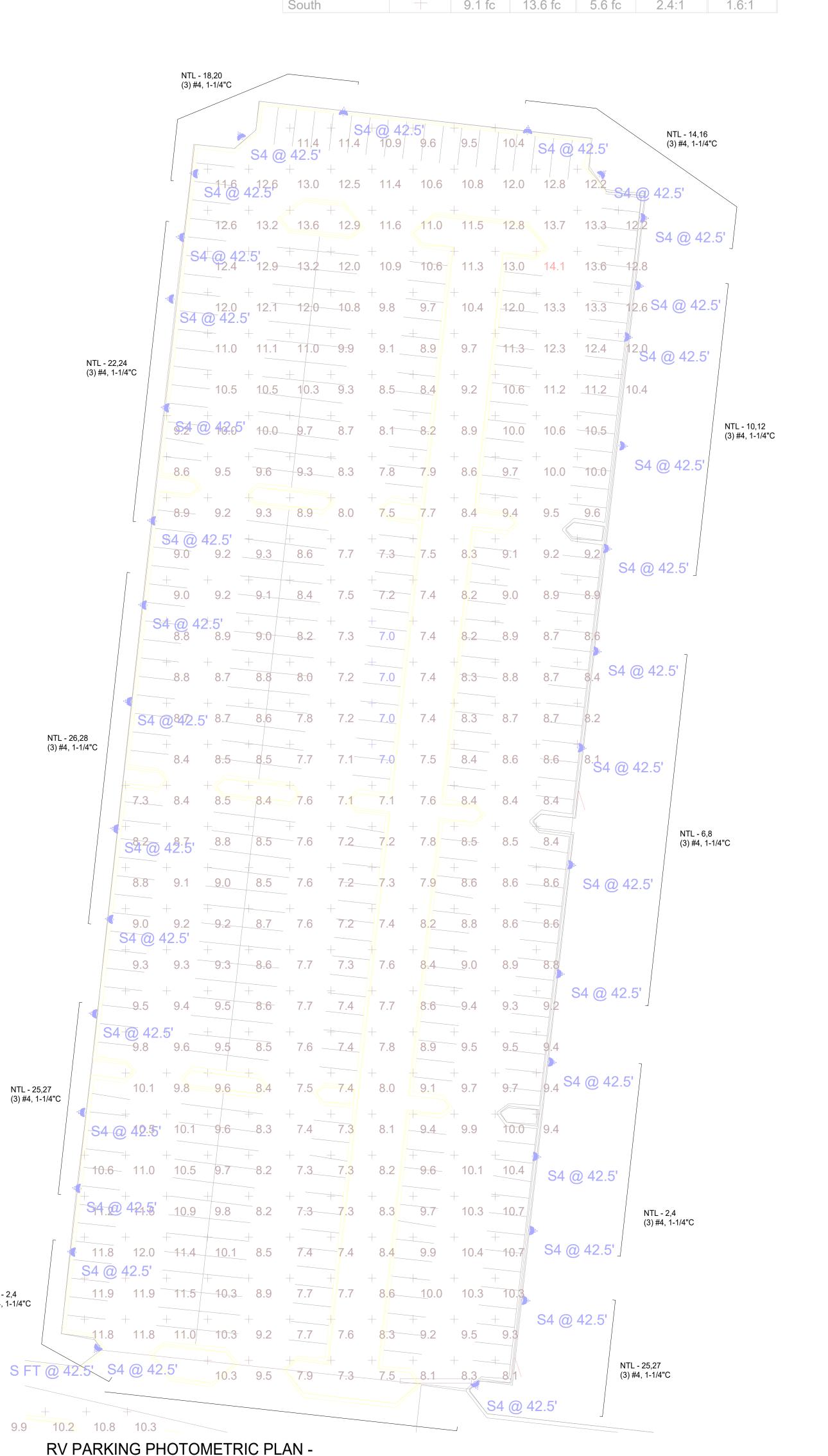
> SHEET NUMBER E203

KEY PLAN



Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
North Parking		9.4 fc	14.1 fc	7.0 fc	2.0:1	1.3:1
			10.04			

□ S4



Project Title: Alabama AandM Tailgate - Alt 1 Project Type: Addition 3 (Other (LZ3)) Exterior Lighting Zone Construction Site: Designer/Contractor: Allowed Exterior Lighting Power Area/Surface Category South Parking (Parking area) North Parking (Parking area) Total Allowed Watts = Total Allowed Supplemental Watts (b) = (a) Wattage tradeoffs are only allowed between tradable areas/surfaces. (b) A supplemental allowance equal to 750 watts may be applied toward compliance of both non-tradable and tradable Proposed Exterior Lighting Power Lamps/ # of Fixture (C X D) Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast Fixture Fixture Watt. South Parking (Parking area, 149707 ft2): Tradable Wattage 1 28 462 12936 North Parking (Parking area, 134640 ft2): Tradable Wattage 35 462 16170 Total Tradable Proposed Watts = 29106 erior Lighting PASSES: Design 0.3% better than code Exterior Lighting Compliance ${\it Compliance Statement:}\;$ The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist. John Danilson, Jr., P.E. - Electrical Engineer STL2 - 6,8 (3) #8, 1"C

11.8 11.8 11.0 10.3 9.2 7.7 7.6 **8.3** 9.2 SFT @ 42.5 2.2 11.9 11.0 10.5 10.2 9.9 10.2 10.8 10.3 **11.4** 13.0 12.7 **11.7** 10.9 9.9 **9.7** 8.7 **10.8** 9.6 10.0 **10.5** 11.0 10.9 8.2 STL2 - 10,12 12.7 12.8 12.2 11.2 9.9 8.7 7.8 7.5 7.9 8.7 9.2 11.0 11.7 11.7 54 @ 42.5' (3) #6, 1-1/4"C SFT @.42.5 2.3 11.6 10.3 8.9 7.7 7.0 6.8 7.3 8.2 9.6 11.3 12.4 12.5 10.7 12.0 11.6 10.7 9.4 8.1 7.1 6.5 6.5 7.0 8.1 9.6 11.2 12.3 12.5 + + + + + + + + + + + + + + + + + SFT @ 42.5' S F11. 6 421.5 10.9 9.8 8.6 7.5 6.7 6.3 6.4 7.0 8.1 9.6 11.3 12.1 11.9 11.2 10.8 10.1 8.9 7.9 7.0 6.5 6.2 6.5 7.1 8.3 9.7 11.0 11.8 10.5 S 9.5 (0) 402.85' 10.2 /9.2 8.1 7.3 6.6 6.2 6.2 6.2 6.6 7.4 8.4 9.8 10.7 11.2 10.5 10.2 9.5 8.4 7.5 6.7 6.3 6.1 6.2 6.6 7.4 8.4 9.7 10.6 10.4 SFT 60.42.59.9 9.0 7.8 6.9 6.3 5.9 5.8 6.0 6.5 7.4 8.4 9.7 10.4 9.4 10.0 10.6 9.8 8.5 7.4 6.6 6.0 5.7 5.7 5.9 6.5 7.3 8.4 9.3 10.6 $\frac{9}{10.89}$ $\frac{4}{10.9}$ $\frac{9.5}{10.89}$ $\frac{8.2}{10.89}$ $\frac{6.4}{10.9}$ $\frac{5.9}{10.89}$ $\frac{5.6}{10.89}$ $\frac{5.7}{10.89}$ $\frac{6.6}{10.89}$ $\frac{7.6}{10.89}$ $\frac{8.7}{10.89}$ $\frac{9.3}{10.89}$ 11.1 10.4 9,3 8.0 7.0 6.3 5.9 5.7 5.8 6.1 6.9 7.9 8.9 9.6 8.5 STL1 - 6,8 (3) #4, 1-1/4"C Signature 1.5 10.5 9.2 8.0 7.0 6.3 5.9 5.8 6.0 6.5 7.3 8.4 9.3 9.9 S FT @ 42.5' 11.9 11.6 10.7 9.2 8.1 7.2 6.5 6.2 6.1 6.3 6.9 7.7 8.9 9.8 9/8 12.5 11.7 10.6 9.3 8.1 7.3 6.8 6.5 6.5 6.8 7.4 8.4 9.4 10.2 9.0S FT @ 42.5' STL2 - 18,20 11.6 12.6 11.8 /10.4 9.2 8.2 7.5 7.1 6.9 6.9 7.3 8.0 9.0 9.9 10.3 12.8 12.8 11.6 10.3 9.1 8.2 7.7 7.4 7.3 7.5 7.9 8.7 9.8 10.5 10.1 S FT @ 42.5'\/ SFT 63.42.512.8 11.7 10.2 9.2 8.4 8.0 7.7 7.6 7.9 8.5 9.2 10.3 10.9 9.5 11.2 13.3 12.8 11.5 10.3 9.4 8.8 8.5 8.1 8.1 8.4 9.0 9.9 10.7 10.8 S FT @ 42.5 / (3) #4, 1-1/4"C S FT @ 42.3' 10.4 10.3 10.3 9.8 9.6 9.4 9.5 9.6 10.1 10.8 10.9 8.8 S FT @ 42.5' 9.8 | 10.0 | 9.9 | 9.9 | 9.7 | 9.9 | 10.2 | 10.4 | S FT @ 42.5 STL2 - 22,24 (3) #4, 1-1/4"C

(3) #4, 1-1/4"C

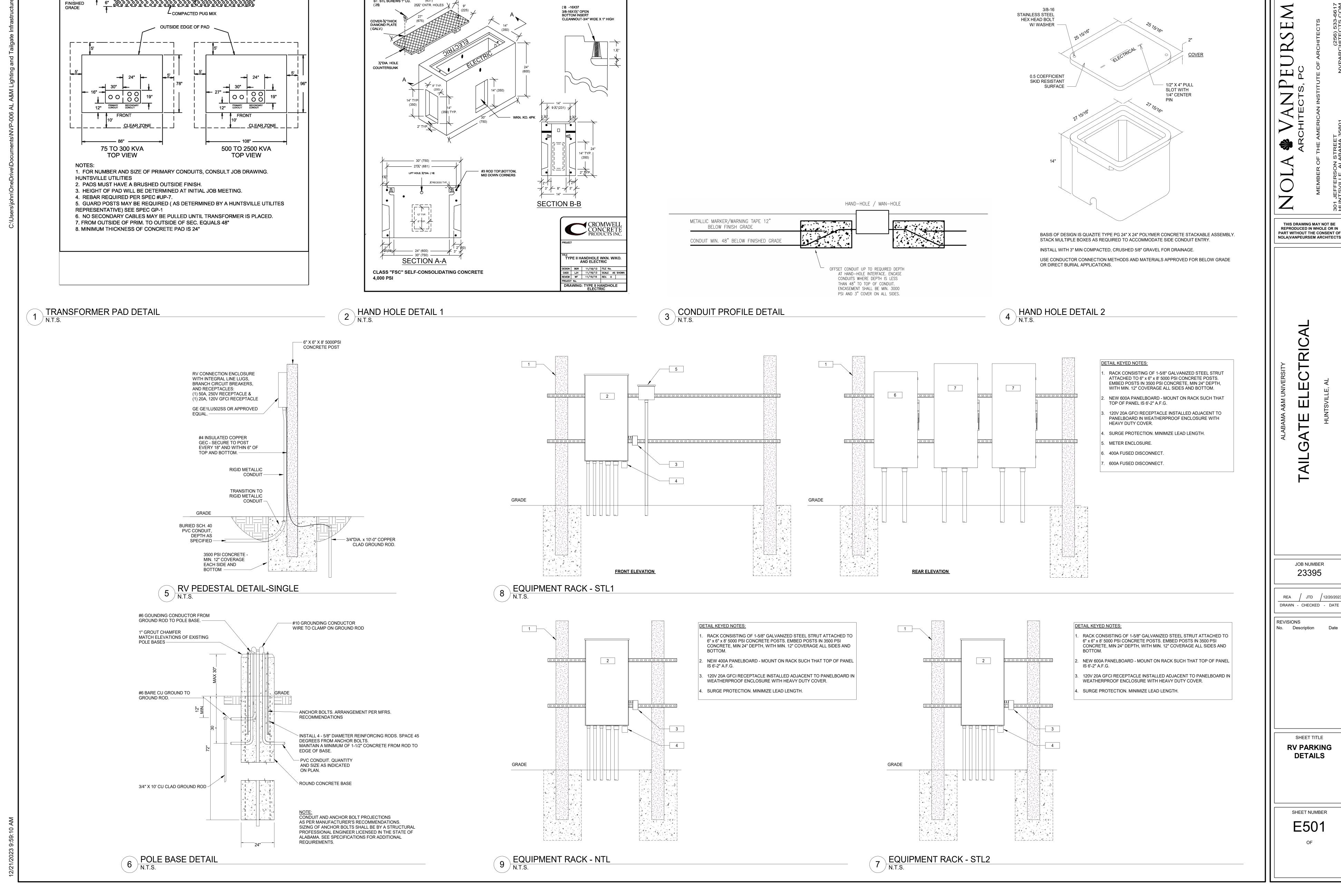
RV PARKING PHOTOMETRIC PLAN -

2 SOUTH-ALTERNATE 1" = 30'-0"

1 NORTH-ALTERNATE 1" = 30'-0"

STL2 - 2,4

(3) #4, 1-1/4"C



TYPE II HANDHOLE WKN. W/ K.O.'S

(WITH ELECTRIC)

(9) -16 %"-16 FLAT HEAD SLOTTED ST. STL SCREWS 1" LG.

FRONT SIDE

JOHN@ROCKETMEP.COM AL CERT OF AUTH: ECA50597 PO BOX 127 GURLEY AL 35748 PROFESSIONAL *

> SHEET NUMBER E501

SHEET TITLE

RV PARKING

DETAILS

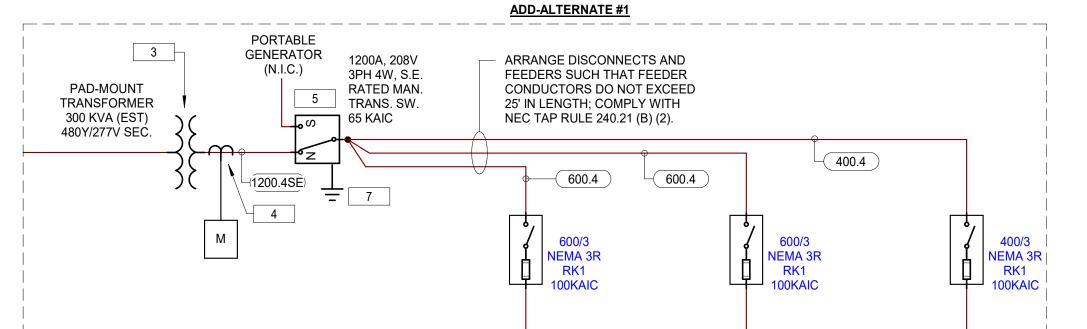
THIS DRAWING MAY NOT BE

RC

JOB NUMBER

REA / JTD / 12/20/2023

Description



REFER TO INSET FOR ADD-ALTERNATE #1

─(600.4SE)

600.4

PAD-MOUNT

TRANSFORMER

300 KVA (EST)

480Y/277V SEĆ.





-(400.4X)

-|- - -|- - - - - -

POLE

LIGHTS

PANEL STL1

600A, 3PH, 4W, 208/120V

65 KAIC

RV PEDESTAL

INDICATED

PANEL STL2

600A, 3PH, 4W, 208/120V

100/2

RV PEDESTAL

INDICATED

CIRCUITS - QTY AS

22 KAIC

POLE

LIGHTS

CIRCUITS - QTY AS

PANEL NTL

400A, 3PH, 4W, 208/120V

22 KAIC

POLE POLE

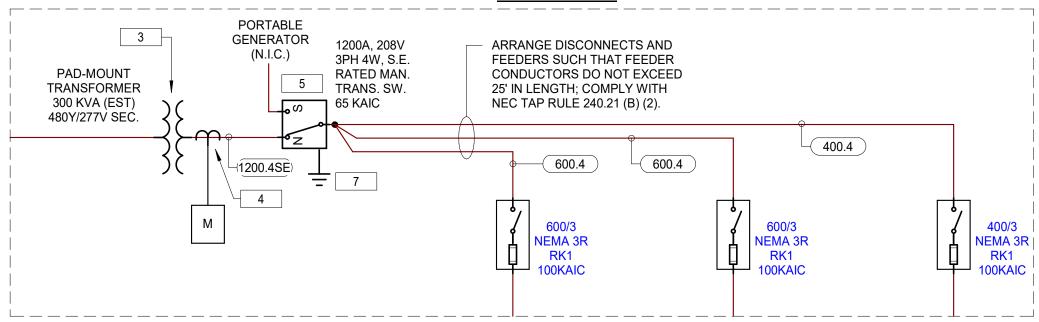
LIGHTS LIGHTS

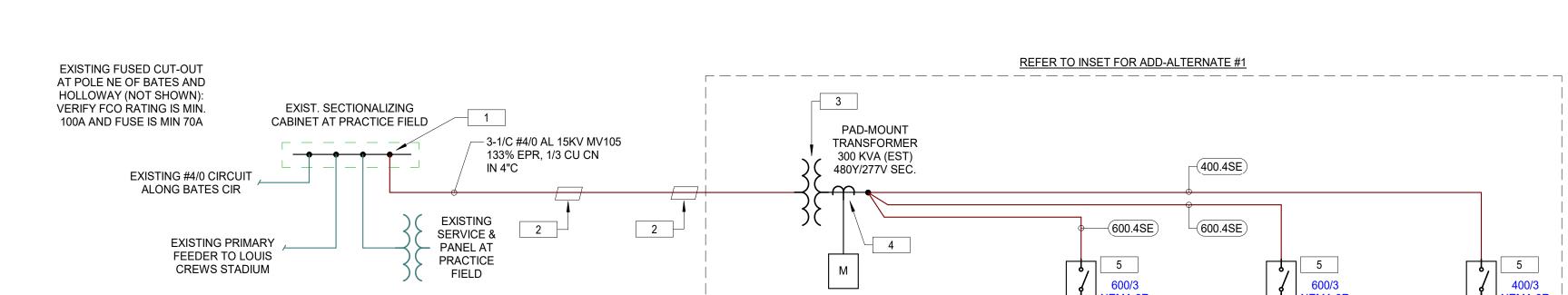
RV PEDESTAL

CIRCUITS - QTY AS

INDICATED

600.4





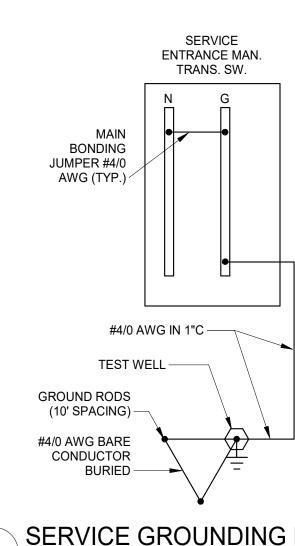
- **ONE-LINE GENERAL NOTES:** A. ALL CONDUCTORS INDICATED ARE COPPER UNLESS OTHERWISE NOTED.
- INCREASE SIZE OF FEEDER CONDUCTORS, AND ASSOCIATED CONDUITS, AS REQUIRED TO LIMIT VOLTAGE DROP TO 2%.CONTRACTOR MAY OPT TO USE ALUMINUM CONDUCTORS FOR FEEDERS GREATER THAN 100A IF APPROVED BY OWNER. CONTRACTOR IS RESPONSIBLE FOR RESIZING ALL RESPECTIVE CONDUIT, BOXES, ETC. FOR A CODE COMPLIANT INSTALLATION.
- ONCE ACTUAL PROJECT TRANSFORMER IMPEDANCE DATA IS KNOWN, CONTRACTOR SHALL VERIFY PANELBOARD AND RV PEDESTAL AIC RATINGS ARE APPROPRIATE FOR THE ACTUAL CONTRIBUTING FAULT CURRENT PRIOR TO ORDERING EQUIPMENT. CONTACT ENGINEER IF NEEDED ONCE IMPEDANCE DATA IS RECEIVED.
- REFER TO PANEL SCHEDULES FOR FEEDERS AND BRANCH CIRCUITS NOT SHOWN ON SINGLE LINE DIAGRAM.

ONE-LINE KEYED NOTES:

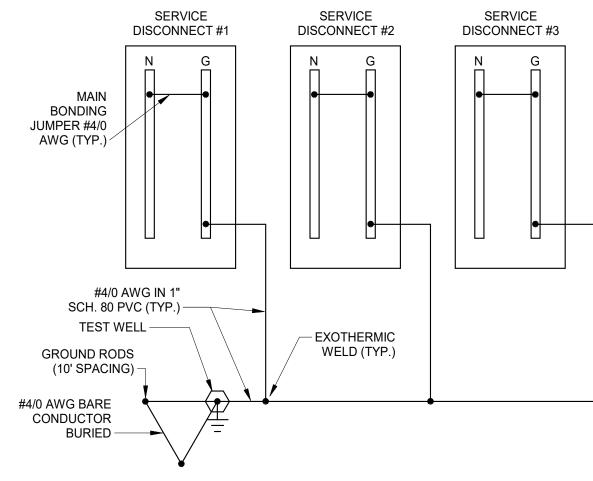
- CONNECT NEW U.G. PRIMARY CIRCUIT TO SPARE WAY IN EXISTING SECTIONALIZING CABINET.
- HAND HOLE OR PULL BOX REFER TO PLANS
- NEW PAD-MOUNT TRANSFORMER, PURCHASED BY OWNER DURING PREVIOUS PHASE. INSTALLATION BY DIV. 26 TO BE INCLUDED IN THIS PHASE OF THE PROJECT.
- CUSTOMER DIGITAL KWH AND DEMAND METERING (NON-REVENUE). INSTALL CT'S AROUND SECONDARY TERMINALS AND CONNECT VOLTAGE SENSING LEADS TO SECONDARY LUGS WITHIN TRANSFORMER SECONDARY COMPARTMENT. FOLLOW MANUFACTURER'S INSTRUCTIONS. INSTALL METER ON EQUIPMENT RACK (SEE PLANS) AND INSTALL TWO 1" CONDUITS BETWEEN TRANSFORMER SECONDARY COMPARTMENT AND METER. CT LEADS

SHALL USE TWISTED SHIELDED CONDUCTORS AND SHALL BE INSTALLED IN SEPARATE CONDUIT UNLESS

- OTHERWISE DIRECTED BY MANUFACTURER. BASIS OF DESIGN: HONEYWELL E-MON E20-208800-J-D. SERVICE DISCONNECTS GROUPED ON RACK - PROVIDE PERMANENT LABELS INDICATING THE FOLLOWING: A. IDENTIFICATION OF SERVICE DISCONNECTS IN "X OF 3" FORMAT. B. VOLTAGE, NOMINAL CURRENT RATING, AND LOAD SERVED
- C. INTERRUPTING RATING, FUSE TYPE D. ARC FLASH HAZARD LABEL - REFER TO SPECIFICATIONS
- FOR SURGE PROTECTIVE DEVICES, PROVIDE CIRCUIT BREAKER AND WIRE SIZE AS RECOMMENDED BY MANUFACTURER. SPD CONDUCTORS SHALL BE AS SHORT AS POSSIBLE AND WITH LIMITED BENDS.
- REFER TO SERVICE GROUNDING DETAIL.



SERVICE GROUNDING DETAIL - ADD ALT 1



2 SERVICE GROUNDING DETAIL N.T.S.

1 ONE-LINE DIAGRAM - RV PARKING N.T.S.

PANEL:	NTL									
LOCATION:	EXTERIO	OR RV L	.OT	SY	STEM VOLT	AGE : 208Y	//120V	A.I.C. F	RATING:	22 KAIC
SUPPLIED FROM:	UTILITY				PHA	SES : 3		MAIN	S TYPE:	MLO
MOUNTING:	SURFAC	Έ			W	IRES: 4		MAINS F	RATING:	400 A
ENCLOSURE TYPE:	TYPE 3R	₹								
			,							,
 					_	_	_	 		

3-WIRE FEEDER SCHEDULE (MIN. SIZES INDICATED)

4-WIRE FEEDER SCHEDULE (MIN. SIZES INDICATED)

SERVICE ENTRANCE CONDUCTORS (MIN. SIZES INDICATED)

SEPARATELY DERIVED FEEDERS (MIN. SIZES INDICATED)

OVERSIZED/SPECIALTY FEEDERS (MIN. SIZES INDICATED)

I. TABLES ASSUME EQUIPMENT IS MARKED FOR 75C. IF UNMARKED, COMPLY WITH NEC 110.14.

B. SEPARATELY DERIVED FEEDERS ARE ASSUMED TO ORIGINATE IN TRANSFORMERS. TAP

. TABLES ASSUME TYPICAL FIELD INSTALLATION SITUATIONS, USING EMT, RMC, OR SCH. 40 PVC.

TABLES DO NOT ACCOUNT FOR UNUSUAL AND MORE RESTRICTIVE CONDUITS, SOLAR HEATING OR OTHER HIGH AMBIENT TEMPERATURES, DUCTBANK HEATING, OR OTHER CONDITIONS THAT

3-WIRE AL FEEDERS

-- USE CU FEEDERS ---- USE CU FEEDERS ---- USE CU FEEDERS --

-- USE CU FEEDERS --- USE CU FEEDERS -

(3) #1, #6 GND; 1-1/4"C

(3) #1/0, #4 GND; 1-1/2"

(3) #2/0, #4 GND; 1-1/2'

(3) #3/0, #4 GND; 2"C

(3) #4/0, #4 GND; 2"C

(3) #250, #4 GND; 2-1/2"

(3) #300, #2 GND; 2-1/2"(

(3) #350, #2 GND; 2-1/2"C

(3) #750, #1 GND; 3-1/2"C

(2) SETS: (3) #250 KCMIL, #1 GND; 2-1/2"C

(3) #500, #2 GND; 3"C

4-WIRE AL FEEDERS

-- USE CU FEEDERS -

-- USE CU FEEDERS -

-- USE CU FEEDERS -

-- USE CU FEEDERS ---- USE CU FEEDERS --

(4) #1, #6 GND; 1-1/2"C

(4) #2/0, #4 GND; 2"C

(4) #3/0, #4 GND; 2"C

(4) #4/0, #4 GND; 2-1/2'

(4) 250 KCMIL, #4 GND; 2-1/2"C

(4) 300 KCMIL, #2 GND; 3"C

(4) 350 KCMIL, #2 GND; 3"

(4) 500 KCMIL, #2 GND; 3"C

-- USE CU FEEDERS -

-- USE CU FEEDERS -

-- USE CU FEEDERS -

3- AND 4-WIRE AL SERVICES

-- USE CU FEEDERS -

(3) 250 KCMIL; 2"C

(3) 500 KCMIL; 3"C

(4) 500 KCMIL; 3"C

(4) 250 KCMIL; 2-1/2"C

2 SETS: (3) 250 KCMIL; 2"(

2 SETS: (4) 500 KCMIL; 3"(

3 SETS: (4) 400 KCMIL; 3

3 SETS: (4) 500 KCMIL; 3

4 SETS: (4) 500 KCMIL; 3"

-- USE CU FEEDERS ---- USE CU FEEDERS --

-- USE CU FEEDERS --

-- USE CU FEEDERS ---- USE CU FEEDERS --

(4) #1, #6 GND; 1-1/2"C

(4) 350 KCMIL. #1/0 GND: 3"(

2 SETS: (4) 250 KCMIL, #1/0 GND; 2-1/2"C

2 SETS: (4) 350 KCMIL, #3/0 GND; 3"C

3 SETS: (4) 400 KCMIL, #4/0 GND; 3"C

(4) #3/0, #4 GND; 2"C

AL FEEDERS

2 SETS: (4) 250 KCMIL; 2-1/2"C

5 SETS: (4) 600 KCMIL; 3-1/2"C

(4) 700 KCMIL, #1 GND; 4"C

2 SETS: (4) 250 KCMIL, #1 GND; 2-1/2"C

2 SETS: (4) 500 KCMIL, #2/0 GND; 3-1/2"C

3 SETS: (4) 500 KCMIL, #4/0 GND; 3-1/2"C

3 SETS: (4) 600 KCMIL, #4/0 GND; 3-1/2"C

4 SETS: (4) 500 KCMIL, 250 KCMIL GND; 3-1/2"C

5 SETS: (4) 600 KCMIL, 350 KCMIL GND; 4"C

2 SETS: (4) 350 KCMIL, #1/0 GND; 3"C

3 SETS: (4) 400 KCMIL, #3/0 GND; 3"C

(4) #1/0, #4 GND; 1-1/2"(

3-WIRE CU FEEDERS

(3) #8, #10 GND; 3/4"(

(3) #6, #10 GND; 3/4"((3) #4, #8 GND; 1 (3) #4, #8 GND; 1

(3) #2, #6 GND; 1-1/4' (3) #1, #6 GND; 1-1/4"C

(3) #1/0, #6 GND; 1-1/2"C

(3) #2/0, #6 GND; 1-1/2"C

(3) #250 KCMIL, #4 GND; 2-1/2"

(3) #350 KCMIL, #4 GND; 2-1/2"

(3) #400 KCMIL, #3 GND; 3"C

(3) #500 KCMIL, #3 GND; 3"C

(3) #3/0, #4 GND; 2"

(3) #4/0, #4 GND; 2"(

4-WIRE CU FEEDERS

(4) #8, #10 GND; 3/4"(

(4) #4, #8 GND; 1-1/4"C

(4) #4, #8 GND; 1-1/4"

(4) #3, #8 GND; 1-1/4"

(4) #3, #8 GND; 1-1/4"C

(4) #2, #6 GND; 1-1/4"C

(4) #1, #6 GND; 1-1/2"C

(4) #2/0, #6 GND; 2"(

(4) #3/0, #4 GND; 2"

(4) #4/0, #4 GND; 2-1/2

(4) 250 KCMIL, #4 GND; 2-1/2"

(4) 350 KCMIL, #4 GND; 3"(

(4) 400 KCMIL, #3 GND; 3"(

(4) 500 KCMIL, #3 GND; 3"(

2 SETS: (4) 250 KCMIL, #2 GND; 2-1/2"C

2 SETS: (4) 600 KCMIL, #1/0 GND; 3-1/2"C

3 SETS: (4) 600 KCMIL, #3/0 GND; 3-1/2"C

4 SETS: (4) 600 KCMIL, #4/0 GND; 3-1/2"C

5 SETS: (4) 600 KCMIL, 250 KCMIL GND; 4"C

7 SETS: (4) 750 KCMIL, 400 KCMIL GND; 4"C

7 SETS: (4) 750 KCMIL, 500 KCMIL GND; 4"C

2 SETS: (4) 350 KCMIL, #1 GND; 3"C

2 SETS: (4) 750 KCMIL, #2/0 GND; 4"C

3 SETS: (4) 400 KCMIL, #2/0 GND; 3"C

2500.4 6 SETS: (4) 600 KCMIL, 350 KCMIL GND; 4"C

4000.4 9 SETS: (4) 750 KCMIL, 500 KCMIL GND; 4"C

3- AND 4-WIRE CU SERVICES

2 SETS: (4) 600 KCMIL; 3-1/2"(

3 SETS: (4) 600 KCMIL; 3-1/2'

7 SETS: (4) 750 KCMIL; 4"C

(3) #3/0; 2"C

(3) 350 KCMIL; 2-1/2

(4) 350 KCMIL; 3"

(3) 500 KCMIL; 3

600.4SE 2 SETS: (4) 350 KCMIL; 3'

1000.4SE 3 SETS: (4) 400 KCMIL; 3"C

1600.4SE 4 SETS: (4) 600 KCMIL; 3-1/2"

2000.4SE 5 SETS: (4) 600 KCMIL; 4"C

2500.4SE 6 SETS: (4) 600 KCMIL; 4"C

3000.4SE 7 SETS: (4) 750 KCMIL; 4"C

4000.4SE 9 SETS: (4) 750 KCMIL; 4"C

TAG CU FEEDERS

TAG CU FEEDERS

100.4X (4) #1; #6 GND; 1-1/2"C

150.4X (4) #2/0, #4 GND; 2"C

250.4X (4) 350 KCMIL, #1 GND; 3"C

100.4S (4) #3; #8 GND; 1-1/4"C

150.4S (4) #1/0, #6 GND; 1-1/2"C

250.4S (4) 250 KCMIL, #2 GND; 2-1/2"C

400.4S (4) 600 KCMIL, #1/0 GND; 3-1/2

500.4S 2 SETS: (4) 250 KCMIL, #1/0 GND; 2-1/2"C

400.4X 2 SETS: (4) 500 KCMIL, #2/0 GND; 3-1/2 500.4X 2 SETS: (4) 350 KCMIL, #2/0 GND; 3"C

800.4X 2 SETS: (4) 600 KCMIL, #3/0 GND; 3-1/2"C

MAY REQUIRE DERATING CONDUCTOR AMPACITY.

CONDUCTORS AND SECONDARIES: COMPLY WITH NEC 240.21.

800.4S 2 SETS: (4) 600 KCMIL, #3/0 GND; 3-1/2"C

(4) #3/0; 2"0

400.4SE (4) 500 KCMIL; 3"

150.4 (4) #1/0, #6 GND: 1-1/2"C

100.4

225.4

400.4

800.4

1200.4

3200.4

200.3SE

200.4SE

300.3SE

300.4SE 400.3SE

3200.4SE

(4) #6, #10 GND; 1"

(3) #3, #8 GND;

(3) #3, #8 GND; 1

NOTE CKT	DESCRIPTION	TRIP	POL	BRANCH CIRCUIT	Α	В	С	BRANCH CIRCUIT	POL	TRIP	DESCRIPTION	CKT NOTE					
1	RV PED N01, N02	100 A	2	3-#1, #6G	8.1 / 1.2			2-#4, #4G	2	20.4	LIGHTING	2					
3	INV FLD INOT, INOZ	100 A		1-1/2"C		8.1 / 1.2		1-1/4"C	2	20 A	LIGITING	4					
5	RV PED N03, N04	100 A	2	3-#1, #6G 1-1/2"C			8.1 / 1.2	2-#4, #4G	2	20.4	LIGHTING	6					
7	NV PED NOS, NO4	100 A	2		8.1 / 1.2			1-1/4"C	2	20 A	LIOITINO	8					
9	DV DED NOE NOG	100 A	2	3-#1, #6G		8.1 / 0			2	20.4	SPARE	10					
11	RV PED N05, N06	100 A	2	1-1/2"C			8.1 / 0		2	20 A	SPARE	12					
13	CDADE	400 A	0		0/0				2	20.4	CDADE	14					
15	SPARE	100 A		2	2	2	2	2			0/0			2	20 A	SPARE	16
17	CDADE	400 A	0				0/0		1	20 A	SPARE	18					
19	SPARE	100 A	2		0/0				1	20 A	SPARE	20					
21	SPACE		1			0/0			1	20 A	SPARE	22					
23	SPACE		1				0/0		1	20 A	SPARE	24					
25	SPACE		1		0/0				1	20 A	SPARE	26					
27	SPACE		1			0/0			1	20 A	SPARE	28					
29	SPACE		1				0/0		1	20 A	SPARE	30					
31	SPACE		1		0/0				1		SPACE	32					
33	SPACE		1			0/0			1		SPACE	34					
35	SPACE		1				0/0		1		SPACE	36					
37					0/0				1		SPACE	38					
39	SPD	30 A	3	4-#10, #10G; 3/4"C		0/0			1		SPACE	40					
41							0 / 0.2	2-#12, #12G; 3/4"C	1	20 A	RECEPTACLE	42					
	ı		1	TOTAL LOAD (K)/A):	19.5	17.3	17.5					1					

39	SPD	30 A	3	4-#10, #10G; 3/4°C		0/0				1		SPACE	40
41							0 / 0.2	2-#12, #12G	3/4"C	1	20 A	RECEPTACLE	42
•				TOTAL LOAD (KVA):	18.5	17.3	17.5				•		
			TOTA	AL CURRENT (AMPS):	154 A	145 A	146 A						
LOAD CLA	ASSIFICATION	CONNECTED LOAD	DEMAND FACTOR EST. DEMAND					PANEL TOTALS					
RECEPT/	ACLE			0.18 kVA	100.00% 0.18 kVA								
LIGHTING	;			4.8 kVA	125.00% 6 kVA			6 kVA	TOTAL CONN. KVA 53.4 kVA				
RV RECE	RV RECEPTACLES		48.6 kVA			3.33%	38	3.07 kVA	TOTAL EST. DEMAND KVA 44 kVA				
										DEMA	AND W/	25% SPARE 54.99 kVA	
										TOTA	L CONN	. CURRENT 148 A	
									7	OTAL [DEMAND	CURRENT 122 A	
									DEM	IAND C	URREN1	T W/ SPARE 153 A	
NOTES:					'		<u>'</u>		'			<u>'</u>	

	LOCATION: SUPPLIED FROM: MOUNTING: ENCLOSURE TYPE:	UTILITY SURFAC	CE	OT SYS	A.I.C. RATING: 65 KAIC MAINS TYPE: MLO MAINS RATING: 600 A									
OTE CKT	DESCRIPTION	TRIP	POL	BRANCH CIRCUIT	Α	В	С	BRANCH CIF	RCUIT	POL	TRIP	DESC	CRIPTION	CKT NO
3	RV PED S13, S14	100 A	2	3-#3/0, #2G 2"C	8.1 / 1.2	8.1 / 1.2		2-#4, #4 1-1/4"C		2	20 A	LIGHTING		4
5 7	RV PED S15, S16	100 A	2	3-#3/0, #2G 2"C	8.1 / 0		8.1 / 0			2	20 A	SPARE		6 8
9	RV PED S17, S18	100 A	2	3-#1/0, #4G		8.1 / 0				1				10
11	, -			1-1/2"C	0.4.40		8.1 / 0			1	20 A	SPARE		12
13 15	RV PED S19, S20	100 A	2	3-#1/0, #4G 1-1/2"C	8.1 / 0	0.4./0				1	20 A			14
17						8.1 / 0	8.1 / 0			1	20 A 20 A			16 18
19	RV PED S21, S22	100 A	2	3-#1, #6G 1-1/2"C	8.1 / 0		0.170			1	20 A	SPARE		20
21					0.170	8.1 / 0				1	20 A	SPARE		22
23	RV PED S23, S24	100 A	2	3-#1, #6G 1-1/2"C		0.170	8.1 / 0			1	20 A	SPARE		24
25				,2 0	0/0		0.170			1	20 A	SPARE		26
27	SPARE	100 A	2		070	0/0				1	20 A	SPARE		28
	SPACE		1			070	0/0			1	20 A	SPARE		30
	SPACE		<u>'</u>		0/0		070			1		SPACE		32
	SPACE		<u>'</u>		070	0/0				1		SPACE		34
	SPACE		1			070	0/0			<u>'</u>		SPACE		36
37	OI AOL		'		0/0		070			<u>'</u>		SPACE		38
	SPD	30 A	3	4-#10, #10G; 3/4"C	070	0/0				<u>'</u> 		SPACE		40
41		0071	O	4 #10, #100, 014 0		070	0 / 0.2	2-#12, #12G;	3/4"C	1		RECEPTAG	n E	42
				TOTAL LOAD (KVA):	33.5	33.5	32.6	2 #12, #120,	0/4 0	•	2071	TREGET 1710	<u> </u>	TL
			ΤΟΤΔ	L CURRENT (AMPS):	281 A	281 A	272 A							
AD CLA	SSIFICATION			CONNECTED LOAD		ID FACTOR		. DEMAND				PANEL TOT	ALS	
CEPTA	CLE			0.18 kVA	10	0.00%	0	.18 kVA						
GHTING				2.4 kVA		5.00%		3 kVA			TOTAL	CONN. KVA	99.7 kVA	
/ RECE	PTACLES			97.2 kVA	65	5.42%	63	3.59 kVA				EMAND KVA		
												25% SPARE		
									-			I. CURRENT D CURRENT		
												T W/ SPARE		
OTES:											-	. 11, 01 AIL	2 01 A	

	PANEL: LOCATION: SUPPLIED FROM: MOUNTING: ENCLOSURE TYPE:	EXTER UTILITY SURFA	IOR RV L ' CE	OT SYS	PHA	'AGE: 208Y/' ASES: 3 IRES: 4	120V			S TYPE:		
NOTE CKT	DESCRIPTION	TRIP	POL	BRANCH CIRCUIT	Α	В	С	BRANCH CIRCUIT	POL	TRIP	DESCRIPTION	CKT NO
3	RV PED S01, S02	100 A	2	3-#1, #6G 1-1/2"C	8.1 / 1.2	8.1 / 1.2		2-#4, #4G 1-1/4"C	2	20 A	LIGHTING	4
5 7	RV PED S03, S04	100 A	2	3-#1, #6G 1-1/2"C	8.1 / 0		8.1 / 0		2	20 A	SPARE	6 8
9			_	3-#1, #6G		8.1 / 0			1	20 A	SPARE	10
11	RV PED S05, S06	100 A	2	1-1/2"C			8.1 / 0		1	20 A	SPARE	12
13	DV DED 007 000	400.4		3-#1, #6G	8.1 / 0				1	20 A	SPARE	14
15	RV PED S07, S08	100 A	2	1-1/2"C		8.1 / 0			1	20 A	SPARE	16
17	DV DED 000 040	400.4		3-#1/0, #4G			8.1 / 0		1	20 A	SPARE	18
19	RV PED S09, S10	100 A	2	1-1/2"C	8.1 / 0				1	20 A	SPARE	20
21	DV DED 044 040	400.4	0	3-#1/0, #4G		8.1 / 0			1	20 A	SPARE	22
23	RV PED S11, S12	100 A	2	1-1/2"C			8.1 / 0		1	20 A	SPARE	24
25	ODADE	400.4	0		0/0					400.4	ODADE	26
27	SPARE	100 A	2			0/0		1	2	100 A	SPARE	28
29	SPACE		1				0/0		1		SPACE	30
31	SPACE		1		0/0				1		SPACE	32
33	SPACE		1			0/0			1		SPACE	34
35	SPACE		1				0/0		1		SPACE	36
37					0/0				1		SPACE	38
39	SPD	30 A	3	4-#10, #10G; 3/4"C		0/0			1		SPACE	40
41							0 / 0.2	2-#12, #12G; 3/4"C	1	20 A	RECEPTACLE	42
				TOTAL LOAD (KVA):	33.5	33.5	32.6					
			TOTA	L CURRENT (AMPS):	281 A	281 A	272 A					
	SSIFICATION			CONNECTED LOAD		ID FACTOR		. DEMAND			PANEL TOTALS	
RECEPTA LIGHTING				0.18 kVA 2.4 kVA	_	0.00% 5.00%		.18 kVA 3 kVA		TOTAL	CONN. KVA 99.7 kVA	
	PTACLES			97.2 kVA		5.42%		3.59 kVA			MAND KVA 66.6 kVA	
				07.2 KV/K		J. 12 /0					25% SPARE 83.28 kVA	
											. CURRENT 277 A	
									TOTAL I	DEMAND	CURRENT 185 A	
								DE	MAND C	URREN1	W/ SPARE 231 A	

PROFESSIONAL ** NGINEEN DANIL

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RC

JOB NUMBER

REA / JTD / 12/20/2023 DRAWN - CHECKED - DATE

REVISIONS Description

SHEET TITLE **RV PARKING DIAGRAMS AND**

SCHEDULES

SHEET NUMBER

E601