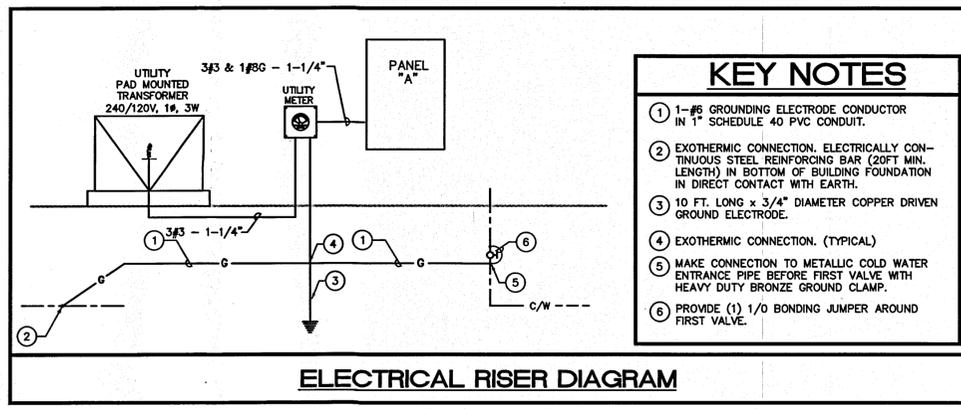


LIGHT POLE DETAIL
N.T.S.

SCHEDULE OF BRANCH CIRCUIT PANEL "A"

DESCRIPTION	WIRE	COND.	TRIP	OCT.	A PHASE		C PHASE		COND.	TRIP	OCT.	DESCRIPTION	
					KVA	TRIP	KVA	TRIP					
MODULAR BUILDING CHASE LGTS	-	-	-	20	1	0.1	0.2	-	2	20	-	MODULAR BUILDING CHASE LGTS	
MODULAR BUILDING LGTS & FAN	-	-	-	20	3	0.1	0.2	4	20	-	-	MODULAR BUILDING LGTS & FAN	
MODULAR BUILDING HAND DRYER	-	-	-	20	5	0.2	1.1	-	6	20	-	MODULAR BUILDING HAND DRYER	
MODULAR BUILDING HAND DRYER	-	-	-	20	7	-	-	1.1	1.2	8	20	1/2" #12 PICKLEBALL COURT LIGHTING	
IRRIGATION PUMP	2#10	1#10	3/4"	30	9	1.5	1.2	-	10	2	1/2" #12	PICKLEBALL COURT LIGHTING	
LIFT STATION	2#10	1#10	3/4"	30	13	1.5	1.2	-	14	2	1/2" #12	PICKLEBALL COURT LIGHTING	
PICKLEBALL COURT LIGHTING	2#12	1#12	1/2"	20	15	-	-	1.5	1.2	18	20	1/2" #12	PICKLEBALL COURT LIGHTING
				19	17	1.2	1.2	-	18	2	1/2" #12	2#12 SITE LIGHTING	
				2	19	-	-	1.2	0.4	20	20	1/2" #12	#12
					9.4	9.6							
					78.3	80.0							
					19.0								

VOLTAJE: 120/240V, 1ϕ, 3 WIRE
AIC SYMM: 22,000
KVA PER PHASE
TOTAL KVA



ELECTRICAL RISER DIAGRAM

ELECTRICAL SPECIFICATIONS

PART 1 - GENERAL

A. THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED. CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL ARCHITECT/ENGINEER HAS DIRECTED CORRECTIVE ACTION TO BE TAKEN.

B. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATIONS INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF.

C. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION) AND ALL CODES AND ORDINANCES OF THE AUTHORITY HAVING JURISDICTION. THE SPECIFICATION, CODES AND STANDARDS LISTED BELOW ARE UTILIZED IN THIS PROJECT.

- NATIONAL ELECTRICAL CODE (NFPA-70)
- CODE FOR SAFETY TO LIFE (NFPA-101)
- STANDARD FOR THE INSTALLATION, MAINTENANCE AND USE OF LOCAL PROTECTIVE SIGNALING SYSTEMS (NFPA-72)
- UNDERWRITERS' LABORATORIES (UL)
- NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
- AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
- FEDERAL SPECIFICATION (FED. SPEC.)
- INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA)
- FLORIDA BUILDING CODE, 2017 EDITION
- INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
- CITY OF SEBASTIAN BUILDING CODE. (AMENDMENTS TO FLORIDA BUILDING CODE 2017)
- ADDITIONALLY, DESIGNS, WORK PRACTICES AND CONDITIONS MUST CONFORM WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA)

D. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER'S REPRESENTATIVE.

E. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.

F. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FROM A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.

G. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THERE BY.

H. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.

I. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT.

J. THE TERM "PROVIDE" USED IN THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS SHALL MEAN THAT THE CONTRACTOR IS TO FURNISH, INSTALL AND CONNECT COMPLETE.

PART 2 - PRODUCTS

A. MINIMUM WIRE SIZE SHALL BE #12 A.W.G. (EXCEPT AS NOTED OTHERWISE FOR CONTROL WIRING). ALL CONDUCTORS SHALL BE 98% CONDUCTIVITY, COPPER WITH "THHN-THWN" INSULATION UNLESS OTHERWISE NOTED.

B. ELECTRICAL METALLIC TUBING (EMT) SHALL BE OF BEST QUALITY STEEL, SMOOTH INSIDE AND OUT AND SHALL BE HOT-DIPPED GALVANIZED.

C. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.

D. RIGID NONMETALLIC CONDUIT SHALL BE SCHEDULE 40 PVC.

E. ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.

F. PANELBOARDS:

- CURRENT CARRYING BUSES SHALL BE COPPER. GROUND BUS BARS SHALL BE COPPER.
- ALL CIRCUIT BREAKERS SHALL BE BOLT ON PULL-IN BREAKERS ARE NOT ACCEPTABLE.
- CIRCUIT BREAKERS USED AS SWITCHES IN FLUORESCENT OR HID LIGHTING CIRCUITS SHALL BE LISTED AND MARKED "SWD"
- ALL CIRCUIT BREAKERS FEEDING MECHANICAL EQUIPMENT SHALL BE HACR TYPE.
- A.I.C. RATINGS SHALL BE AS INDICATED ON PANELBOARD SCHEDULES.
- ALL PANELBOARDS SHALL BE FURNISHED WITH PLASTIC LAMINATE NAMEPLATES WITH 1/4" ENGRAVED LETTERING FOR PANEL IDENTIFICATION.
- ALL PANELBOARDS SHALL BE PROVIDED WITH TYPE-WRITTEN DIRECTORY OF BRANCH CIRCUIT DESIGNATIONS.

G. DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-BREAK, QUICK-BREAK. ENCLOSURES SHALL BE NEMA-1 FOR INDOOR LOCATIONS, NEMA 3R FOR OUTDOOR LOCATIONS OR AS OTHERWISE NOTED.

H. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC AS INDICATED ON THE ELECTRICAL DRAWINGS, WITH OVERLOAD RELAYS IN EACH PHASE.

I. WIRING DEVICES (GENERAL PURPOSE RECEPTACLES AND WALL SWITCHES) COLOR SHALL BE COORDINATED WITH CLIENT.

PART 3 - EXECUTION

A. COLOR CODING OF CONDUCTORS SHALL BE AS FOLLOWS:

- 208/120 VOLTS, 3 PHASE, 4-WIRE SYSTEM: UNGROUNDED CONDUCTORS: 1 BLACK, 1 RED AND 1 BLUE. GROUNDED (NEUTRAL) CONDUCTORS: WHITE. GROUNDING CONDUCTORS SHALL BE GREEN.
- 480/277 VOLT, 3-PHASE, 4-WIRE SYSTEM: UNGROUNDED CONDUCTORS: 1 BROWN, 1 YELLOW, AND 1 PURPLE. GROUNDED (NEUTRAL) CONDUCTORS: GREY. GROUNDING CONDUCTORS SHALL BE GREEN.
- BRANCH CIRCUIT WIRING (#8 AND SMALLER) SHALL BE COLOR CODED BY CONTINUOUS INSULATION COLOR. FEEDERS AND SERVICES (#4 AND LARGER) SHALL BE CODED AT ALL JUNCTION OR PULL POINTS (EXCEPT LBS OR LBS'S) USING COLOR MARKERS OR PLASTIC TAPE MANUFACTURED FOR THE PURPOSE.

B. WIRING METHODS

- ALL CONDUCTORS SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE NOTED. SPECIFICALLY PROHIBITED BY THE AUTHORITY HAVING JURISDICTION. ALL FITTINGS AND COUPLINGS FOR EMT CONDUIT SHALL BE ALL STEEL. RAIN TIGHT COMPRESSION TYPE OR ALL STEEL CONDUIT TIGHT SET SCREW TYPE.
- SCHEDULE 40 PVC CONDUIT, WITH FITTINGS AND COUPLINGS APPROPRIATE FOR THE USE, SHALL BE INSTALLED UNDERGROUND OR BELOW SLABS ON GRADE.
- TYPE MC CABLE WITH ALUMINUM ARMOR AND INTERNAL GROUND IS ACCEPTABLE FOR USE AS GENERAL BRANCH CIRCUIT WIRING FOR CIRCUITS 20 AMPERES OR LESS AND CONCEALED IN WALLS OR ABOVE SUSPENDED CEILING AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

C. ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE LATEST EDITION OF THE N.E.C. AND LOCAL CODES.

D. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.

E. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.

F. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES, AND SHALL BE FULLY COORDINATED WITH THEM PRIOR TO COMMENCEMENT OF WORK.

G. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES, AND WIRING DEVICES, FOR ALL OUTLETS AS INDICATED.

H. MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UL LIST OF APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF NEC, NEMA, AND IEC.

I. CONTRACTOR SHALL SUBMIT AT LEAST FIVE (5) SETS OF SHOP DRAWINGS OR CUT SHEETS OF LIGHTING FIXTURES, SWITCHES, AND OTHER ELECTRICAL ITEMS FOR APPROVAL BY ENGINEER/ARCHITECT.

J. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED OF HIS WORK.

K. ALL LAY-IN LIGHTING FIXTURES SHALL BE SECURED TO THE SUSPENDED CEILING GRID AT EACH CORNER.

L. CONTRACTOR SHALL COORDINATE WITH MECHANICAL DRAWINGS AND PROVIDE ALL NECESSARY CONTROL WIRING.

M. ALL ELECTRICAL POWER WIRING FOR THE HVAC SYSTEM INCLUDING WIRING THRU LINE VOLTAGE CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

N. CONDUCTORS FOR BRANCH CIRCUITS SHALL BE INCREASED FROM SIZES INDICATED ON PANEL SCHEDULES TO PREVENT VOLTAGE DROP EXCEEDING 3% AT THE FARTHEST DEVICE. LOADS FOR DETERMINING CONDUCTOR SIZE SHALL BE BASED ON ACTUAL CONNECTED LOAD OR 80% OF BREAKER SIZE, WHICHEVER IS GREATER. CONTACT ENGINEER OF RECORD FOR ALL RUNS IN EXCESS OF 100 FT. FOR DETERMINATION OF WIRE SIZE. FOR BID PURPOSES, INCREASE WIRE BY ONE (1) WIRE SIZE FOR RUNS 100 FT. TO 200 FT. AND TWO (2) WIRE SIZES FOR RUNS OVER 200 FT.

O. FEEDER CONDUCTORS SHALL BE INCREASED FROM SIZES INDICATED ON RISER DIAGRAM TO PREVENT VOLTAGE DROP EXCEEDING 2% LOADS FOR DETERMINING CONDUCTOR SIZE SHALL BE BASED ON ACTUAL CONNECTED LOAD OR 80% OF BREAKER SIZE, WHICHEVER IS GREATER.

P. THE CONTRACTOR SHALL CONFORM WITH THE ELECTRICAL UTILITY COMPANY ANY AND ALL REQUIREMENTS SUCH AS: METERING EQUIPMENT REQUIREMENTS AND METERING EQUIPMENT LOCATION, TRANSFORMER SIZE AND LOCATION OR SERVICE POINT, CONDUIT ENTRY AND LUG SIZE RESTRICTIONS. THE CONTRACTOR SHALL SCHEDULE ALL REQUIRED DOWN TIME FOR THE OWNERS CONFIRMATION.

Q. ANY CONFLICTS AND DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK.

R. PER NEC 210.8(B)(2) ALL 15- AND 20-AMPERE, 125-VOLT RECEPTACLES IN NONDWELLING-TYPE KITCHENS TO BE GFCI PROTECTED.

ELECTRICAL SHEET INDEX

E0.1	ELECTRICAL NOTES, LEGEND & INDEX
E1.1	SITE PHOTOMETRIC PLAN
E1.2	SITE POWER PLAN

ELECTRICAL LEGEND

- ▽ TELEPHONE OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
- ▽ DATA OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
- ▽ TELEPHONE/DATA OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNTED ABOVE COUNTER, SEE ARCHITECTURAL DRAWING FOR SPECIFIC REQUIREMENTS.
- ▽ TELEPHONE/DATA OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
- ▽ TELEPHONE/DATA OUTLET WITH 3/4" CONDUIT RUN TO THE NEAREST STUD WALL AND STUBBED OUT FROM WALL 6" ABOVE CEILING. PROVIDE BRASS COVER PLATE AND CARPET FLANGE.
- ▽ TELEVISION OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
- 20 AMP SINGLE RECEPTACLE (NEMA 5-20R) MOUNTED AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
- 20 AMP DUPLEX RECEPTACLE (NEMA 5-20R) MOUNTED AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
- 20 AMP QUADRUPLX RECEPTACLE (NEMA 5-20R) MOUNTED AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
- 20 AMP DUPLEX RECEPTACLE (NEMA 5-20R) WITH GROUND FAULT CIRCUIT INTERRUPTER, MOUNT AT 18" A.F.F. TO CENTER LINE OF OUTLET, UNLESS NOTED OTHERWISE.
- 20 AMP DUPLEX RECEPTACLE (NEMA 5-20R) MOUNTED ABOVE COUNTER. SEE ARCHITECTURAL DRAWINGS FOR SPECIFIC REQUIREMENTS.
- 20 AMP DUPLEX RECEPTACLE (NEMA 5-20R) WITH ISOLATED GROUND, MOUNT AT 18" A.F.F. TO CENTERLINE OF OUTLET UNLESS OTHERWISE NOTED.
- 20 AMP QUADRUPLX RECEPTACLE (NEMA 5-20R) WITH ISOLATED GROUND, MOUNT AT 18" A.F.F. TO CENTERLINE OF OUTLET UNLESS OTHERWISE NOTED.
- 20 AMP DUPLEX RECEPTACLE (NEMA 5-20R), RECESS FLOOR MOUNTED. PROVIDE BRASS COVER PLATE AND CARPET FLANGE.
- 20 AMP DUPLEX RECEPTACLE (NEMA 5-20R), CEILING MOUNTED.
- SPECIAL-PURPOSE RECEPTACLE
- JUNCTION BOX
- SINGLE GANG JUNCTION BOX FOR POWER CONNECTION TO MODULAR FURNITURE SYSTEM. INSTALL IN EXACT MANNER AS DIRECTED BY FURNITURE SUPPLIER.
- DOUBLE GANG JUNCTION BOX FOR TELEPHONE/DATA CONNECTION TO MODULAR FURNITURE SYSTEM. INSTALL IN EXACT MANNER AS DIRECTED BY FURNITURE SUPPLIER. EXTEND (2) 3/4" EMPTY CONDUITS FROM JUNCTION BOX TO ABOVE CEILING AND TERMINATE WITH INSULATING BUSHING 6" FROM WALL.
- TELE/POWER POLE FOR TELEPHONE/DATA/POWER CONNECTION TO MODULAR FURNITURE SYSTEM. INSTALL IN EXACT MANNER AND LOCATION AS DIRECTED BY FURNITURE SUPPLIER, WIREMOLD CATALOG # 250TP-40 W/IVORY FINISH.
- SPECIAL PURPOSE RECEPTACLE MOUNTED BELOW RAISE FLOOR.
- EXHAUST FAN. SEE MECHANICAL DRAWINGS FOR SPECIFICATIONS.
- SINGLE POLE, 20 AMP, SWITCH, MOUNT 46" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
- 3-WAY, 20 AMP, SWITCH, MOUNT 46" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
- SINGLE POLE, 20 AMP, SWITCH WITH DIMMER, MOUNT 46" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
- MOTOR RATED SWITCH
- OCCUPANCY SWITCH, WATTSTOPPER, MOUNT 46" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
- TWO POLE, 30 AMP SWITCH, MOUNT ADJACENT EQUIPMENT TO BE CONTROLLED.
- FUSIBLE DISCONNECT SWITCH A = POLES, B = FRAME SIZE, C = FUSE RATING
- FUSIBLE MOTOR STARTER DISCONNECT SWITCH A = POLES, B = NEMA SIZE, C = FUSE RATING
- GROUNDING ELECTRODE & CONDUCTOR SYSTEM
- TRANSFORMER
- ELECTRICAL PANELBOARD
- TELEPHONE WOOD BACKBOARD
- WEATHERPROOF
- TIME CLOCK
- RELOCATED
- EXISTING TO REMAIN
- ABOVE FINISH FLOOR
- CEILING MOUNTED DUAL TECHNOLOGY MOTION SENSOR BY WATTSTOPPER.
- CEILING MOUNTED LOW VOLTAGE DUAL TECHNOLOGY MOTION SENSOR BY WATTSTOPPER.

ELECTRICAL NOTES

ISSUED FOR PERMIT

KAMM CONSULTING PROJECT # 2019-0001
PROJECT MANAGER: DUANE MILLAR

KAMM Consulting
1408 Orange Avenue, Suite 100, Fort Pierce, Florida 34949
Phone: 772-285-1714
bbrown@kammconsulting.com
Certification of Authorization #2189

PRINCIPAL: Brady L. Brown, Florida License #58232

DATE: 03-20-20

REGISTERED PROFESSIONAL ENGINEER

SCHULKE, BITTLE & STODDARD, L.L.C.
CIVIL & STRUCTURAL ENGINEERING • LAND PLANNING • ENVIRONMENTAL PERMITTING
CERTIFICATION OF AUTHORIZATION NO. 00008668
1717 INDIAN RIVER BLVD., SUITE 201 VERO BEACH, FLORIDA 32980
TEL: 772-770-9622 FAX: 772-770-9498 EMAIL: info@sbseengineers.com

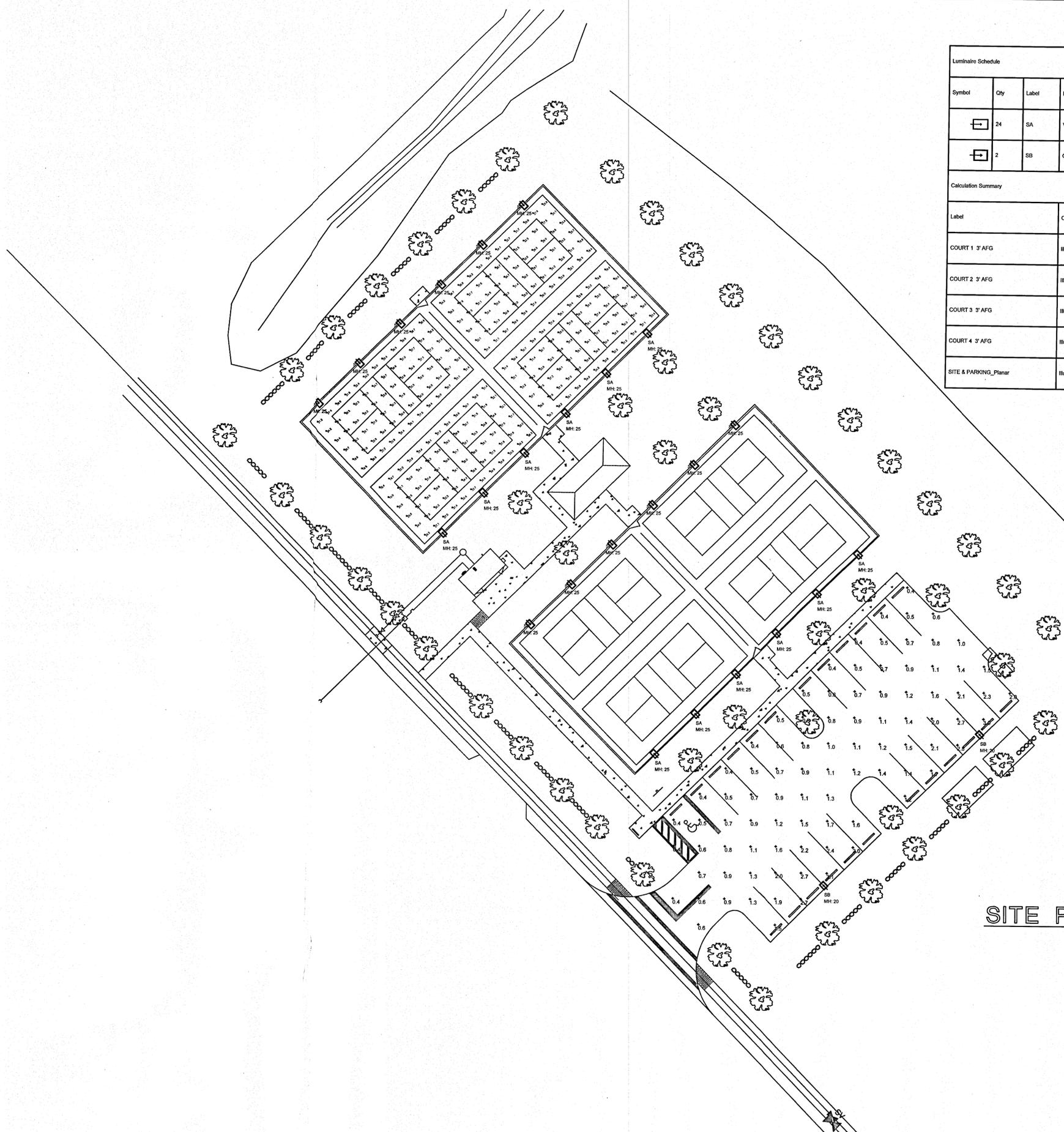
COS AIRPORT PICKLEBALL AIRPORT DRIVE EAST SEBASTIAN, FL INDIAN RIVER COUNTY

ENGINEER CERTIFICATION
JOSEPH W. SCHULKE, FL REG. NO. 47048
JOSEPH B. BITTLE, FL REG. NO. 57396
WILLIAM P. STODDARD, FL REG. NO. 57605

DATE: 03-20-20

E0.1

PROJECT NO. 18-182



Luminaire Schedule										
Symbol	Qty	Label	Description	Lumens/Lamp	LLD	LDD	BF	LLF	Lum. Watts	Total Watts
☐	24	SA	VISIONAIRE VLX-1-T4-192L-C-7-4K-UVV POLE MOUNT 25' AFG	N.A.	0.900	0.900	1.000	0.810	421	10104
☐	2	SB	GARDCO SIGNIFY EGF-S-32L-1A-NW-G2-4-HS POLE MOUNT 20' AFG	N.A.	0.900	0.900	1.000	0.810	110.7	221.4

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	CV
COURT 1 3' AFG	Illuminance	Fc	30.33	38.2	18.5	1.84	2.06	0.17
COURT 2 3' AFG	Illuminance	Fc	30.32	38.2	18.4	1.65	2.05	0.17
COURT 3 3' AFG	Illuminance	Fc	30.29	38.0	18.4	1.65	2.07	0.17
COURT 4 3' AFG	Illuminance	Fc	30.29	38.0	18.4	1.65	2.07	0.17
SITE & PARKING_Planar	Illuminance	Fc	1.17	3.1	0.4	2.93	7.75	0.59

SITE PHOTOMETRIC PLAN
1"=20'-0"

SITE LIGHTING PLAN
ISSUED FOR PERMIT

KAMM CONSULTING PROJECT # 2019-0001
PROJECT MANAGER: DUANE MILLAR

KAMM Consulting
1408 Orange Blvd., Suite 100, Fort Pierce, FL 34949
Phone 772-335-1744
www.kammconsulting.com
Certification of Authorization #8180
05-21-19222

PRINCIPAL: Brady L. Brown, Florida License #58232

DATE	REVISION	MARK
11/20/2018 <td></td> <td></td>		

SCHULKE, BITTLE & STODDARD, L.L.C.
 CIVIL & STRUCTURAL ENGINEERING · LAND PLANNING · ENVIRONMENTAL PERMITTING
 CERTIFICATION OF AUTHORIZATION NO.: 00008668
 1717 INDIAN RIVER BLVD., SUITE 201 VERO BEACH, FLORIDA 32960
 TEL 772/770-9622 FAX 772/770-9496 EMAIL info@sbsengineers.com

COS AIRPORT PICKLEBALL
 AIRPORT DRIVE EAST
 SEBASTIAN, FL
 INDIAN RIVER COUNTY

ENGINEER CERTIFICATION

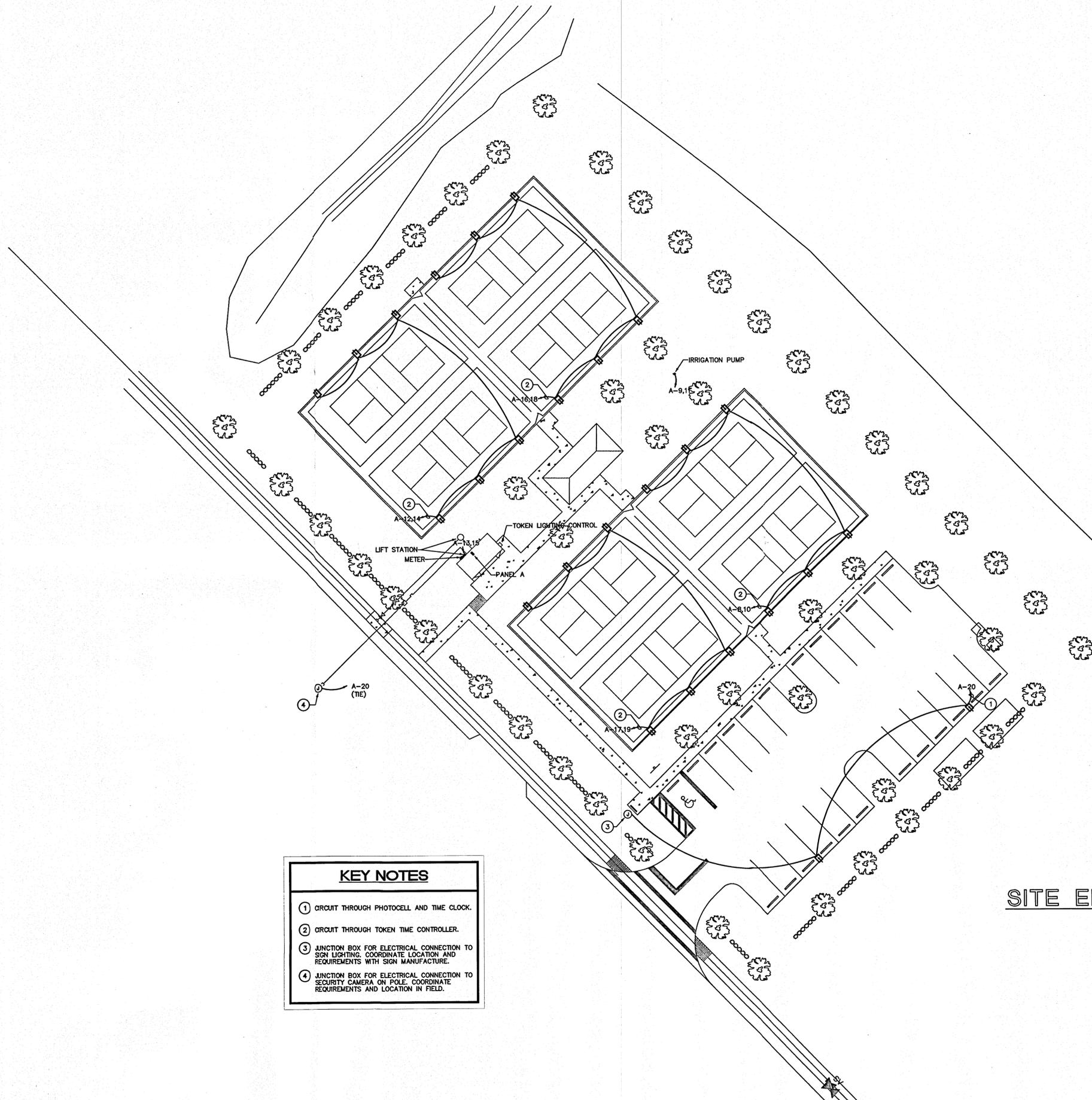
JOSEPH W. SCHULKE
FL. REG. NO. 47048

DUANE H. BITTLE
FL. REG. NO. 57396

WILLIAM P. STODDARD
FL. REG. NO. 57605

DATE: _____

E11
PROJECT NO. 18-182



- KEY NOTES**
- ① CIRCUIT THROUGH PHOTOCELL AND TIME CLOCK.
 - ② CIRCUIT THROUGH TOKEN TIME CONTROLLER.
 - ③ JUNCTION BOX FOR ELECTRICAL CONNECTION TO SIGN LIGHTING. COORDINATE LOCATION AND REQUIREMENTS WITH SIGN MANUFACTURE.
 - ④ JUNCTION BOX FOR ELECTRICAL CONNECTION TO SECURITY CAMERA ON POLE. COORDINATE REQUIREMENTS AND LOCATION IN FIELD.

SITE ELECTRICAL PLAN
1"=20'-0"

SITE POWER PLAN
ISSUED FOR PERMIT

KAMM CONSULTING PROJECT # 2019-0001
PROJECT MANAGER: DUANE MILLAR

KAMM Consulting
1408 Orange Avenue, Suite 100
Fort Pierce, Florida 34949
Phone 772-205-1724
bbrown@kammconsulting.com
Certification of Authority #2189

PRINCIPAL: Brady L. Brown, Florida License #58232

03-21-18

DATE	REVISION	MARK
11/20/2018 <td></td> <td></td>		

SCHULKE, BITTLE & STODDARD, L.L.C.
CIVIL & STRUCTURAL ENGINEERING - LAND PLANNING - ENVIRONMENTAL PERMITTING
CERTIFICATION OF AUTHORIZATION NO: 0000868
1717 INDIAN RIVER BLVD, SUITE 201 VERO BEACH, FLORIDA 32960
TEL 772.770-9622 FAX 772.770-9486 EMAIL info@sbsengineers.com

COS AIRPORT PICKLEBALL
AIRPORT DRIVE EAST
SEBASTIAN, FL
INDIAN RIVER COUNTY

ENGINEER CERTIFICATION

JOSEPH W. SCHULKE
FL. REG. NO. 47048

ADAM B. BITTLE
FL. REG. NO. 57596

WILLIAM P. STODDARD
FL. REG. NO. 57605

DATE: 03-21-18

E1.2
PROJECT NO: 18-182