

EXTERIOR LIGHTING FIXTURE TABLE FOR THE MARINE TURTLE PROTECTION LIGHTING PLAN

Exterior lighting fixtures and lamps must be selected to meet established criteria which minimizes impacts to marine turtles. FWC recommendation of this fixture table does not relieve the applicant from the responsibility of meeting the established criteria once construction has occurred. Upon installation, if the criteria are not met, the fixtures, bulbs and or lamps must be shielded, replaced, realigned, or otherwise modified to meet the criteria. All site lighting installed under a DEP permit must be fully compliant with local lighting regulations, where applicable, and must not cause a disorientation or take of a marine turtle as defined under the Federal Endangered Species Act.


Project Name:	Mexico Beach Fishing Pier
File Numbers:	0206187-004-JC

Submitted by:	Ruby Engineering, Inc.
Submittal Date:	6/7/2022
Drawing/Plan Date:	6/7/2022

FWC Reviewer:	Rachel Joffey
FWC Stamp Date:	6/16/2022

Note: It is recommended that this document be printed on legal size paper. Column/row sizes or print area can be adjusted as necessary.

Note: The last three (gray) columns will be completed by FWC staff.

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**Florida Fish and Wildlife
Conservation Commission**

This lighting plan meets recommendations to minimize impacts to marine turtles.

Rachel Joffey

Rachel Joffey













6/16/2022

0206187-004-JC

This does not relieve the applicant from the responsibility to obtain any approvals or permits which may be required by Federal, State, County or Municipal law.

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|---|--------------------------------|---------------------------------|------------------------|---------------------------------|---|---------------------|
| 1 | L (Landward side of structure) | 2 | Ground Level (Level 1) | 3 | A Excessive Wattage | F Too Many Fixtures |
| B (Beach side of structure) | | Second Level, Third Level, etc. | | B Wrong Type/Wavelength of Lamp | F Inadequate or inaccurate Information Provided | |
| S (Shore perpendicular side of structure) | | Pool Deck | | C Not Adequately Shielded | G Decorative, not necessary for human safety | |
| | | Roof Top | | D Mounted Too High | | |

G:\shortcut-targets-by-id\1kUDJ_kXmsyGBraJ3kYksmrWOTMuovnK\1 RUBY ENGINEERING\1.2 PROJECTS\E-2022\E22-10 Mexico Beach Pier\DRAWINGS\E\E-001 LEGEND.dwg, Jun 09, 2022 -- 10:29:11AM, Ruby Engineering 1

ELECTRICAL SPECIFICATIONS		ELECTRICAL ABBREVIATIONS																																																																																																																																																																																
<p>CODES AND STANDARDS</p> <p>A. ALL ELECTRICAL WORK SHALL CONFORM WITH ALL STATE AND LOCAL CODES AND STANDARDS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:</p> <p>1. FLORIDA BUILDING CODE (2020)</p> <p>2. NATIONAL ELECTRICAL CODE (2017)</p> <p>B. WHEREVER CONFLICTS OCCUR, MORE STRINGENT CODES SHALL APPLY.</p> <p>C. DEVICES AND PRODUCTS SHALL BE LISTED AND CLASSIFIED BY UNDERWRITERS LABORATORIES, INC AS SUITABLE FOR THE PURPOSE INDICATED.</p> <p>D. ALL ELECTRICAL WORK SHALL BE PERFORMED BY QUALIFIED PERSONNEL IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH NECA 1.</p> <p>E. FURNISH AND INSTALL ALL MATERIALS AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERABLE INSTALLATION. TORQUE ALL FASTENING DEVICES TO MANUFACTURERS SPECIFICATIONS.</p> <p>F. ALL WIRING METHODS SHALL BE CONCEALED UNLESS NOTED OTHERWISE.</p> <p>G. ALL MOUNTING HEIGHTS INDICATED ARE TO CENTER OF DEVICE UNLESS NOTED OTHERWISE.</p> <p>UTILITY COORDINATION</p> <p>A. COORDINATE UTILITY CONNECTION REQUIREMENTS WITH THE LOCAL ELECTRIC UTILITY COMPANY AND INCLUDE IN BASE BID ALL COST TO OWNER FOR UTILITY SERVICE.</p> <p>B. THE ELECTRICAL SERVICE UNDER THE SCOPE OF THIS PROJECT IS DESIGNED AS AN UNDERGROUND 100A, 120/240 VOLT, 1Ø, 3 WIRE SERVICE WITH A MAXIMUM AVAILABLE FAULT CURRENT OF 10,000A.</p> <p>C. THE UTILITY METER ENCLOSURE SHALL BE 125A RINGLESS SINGLE POSITION, 1Ø, 3 WIRE WITH LEVER BYPASS IN ALUMINUM ENCLOSURE, MILBANK UAP350S-XL-TG-HSP OR APPROVED EQUAL.</p> <p>ELECTRICAL IDENTIFICATION</p> <p>A. COLOR-CODED TAPE SHALL BE 3M COMPANY "SCOTCH 35" VINYL PLASTIC ELECTRICAL TAPE.</p> <p>B. IDENTIFY PHASE OF EACH CONDUCTOR AT EACH PULL BOX, JUNCTION BOX, SWITCH AND AT EACH OUTLET WITH PERMANENTLY ATTACHED, WRAP AROUND, ADHESIVE MARKERS. WITH AN APPROPRIATE NUMBER OR LETTER THAT WILL EXPEDITE FUTURE TRACING AND TROUBLE SHOOTING.</p> <p>CONDUCTORS AND CABLES</p> <p>A. CONDUCTOR SIZES (AND ASSOCIATED CONDUIT SIZES) IN THESE CONTRACT DOCUMENTS ARE BASED ON THE USE OF COPPER WIRE APPLIED AT 75 DEG. C RATING. ONLY COPPER WIRE SHALL BE USED.</p> <p>B. BUILDING WIRE SHALL BE TYPE THHN/THWN SINGLE CONDUCTOR INSULATED COPPER WIRE RATED FOR 600 VOLTS, RATED 90 DEGREES C DRY/75 DEGREES C WET. WIRE NO. 12 AND SMALLER MAY BE SOLID OR STRANDED AND WIRE NO. 10 AND LARGER SHALL BE STRANDED ONLY. PROVIDE STRANDED CONDUCTORS WHERE CONDUCTORS TERMINATE IN CRIMP TYPE LUGS. WIRING CONNECTORS SHALL BE SPRING WIRE CONNECTORS: UL 486C; RATED FOR 600 VOLTS, 105 DEG. C.</p> <p>C. LIMIT BRANCH CIRCUITS TO 3 CURRENT-CARRYING CONDUCTORS PER CONDUIT IN ACCORDANCE WITH NEC 310-15(B)(2)(A). FOR 20A CIRCUITS OF ALTERNATING PHASES, 4 CURRENT CARRYING CONDUCTORS MAY BE PERMITTED IN A RACEWAY. MINIMUM CONDUCTOR SIZES SHALL BE AS FOLLOWS:</p> <p>1. NO. 12 - BRANCH CIRCUITS OF ANY KIND;</p> <p>D. TEST EACH FEEDER AT TERMINATIONS FOR PROPER PHASING.</p>		<p>E. COLOR CODE POWER WIRING AS FOLLOWS:</p> <p>1. 120/240 VOLT: PHASE A-BLACK, PHASE B-RED, NEUTRAL-WHITE; GROUND CONDUCTOR-GREEN;</p> <p>F. SHARED NEUTRAL CONDUCTORS (MULTI-WIRE BRANCH CIRCUITS) ARE NOT ALLOWED.</p> <p>GROUNDING AND BONDING</p> <p>A. RECEPTACLES OF ANY AMPERAGE SHALL BE GROUNDING TYPE AND SHALL HAVE SEPARATE GROUNDING CONTACT. INSTALL SEPARATE JUMPER BETWEEN GROUNDING TERMINAL ON DEVICE AND METALLIC BOX.</p> <p>B. PROVIDE GROUND CONTINUITY BETWEEN EQUIPMENT OR DEVICE AND METALLIC CONDUIT-RACEWAY SYSTEM. MULTIPLE CONDUCTORS IN SINGLE LUG NOT PERMITTED. EACH GROUNDING CONDUCTOR SHALL TERMINATE IN ITS OWN TERMINAL LUG.</p> <p>C. PROVIDE SEPARATE GREEN WIRE GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT AND FEEDER CONDUIT. GROUND CONDUCTORS SHALL BE SIZE AS INDICATED IN NEC, EXCEPT MINIMUM SIZE GROUND CONDUCTOR SHALL BE NO. 12 AWG.</p> <p>D. GROUNDING CONDUCTOR IS IN ADDITION TO NEUTRAL CONDUCTOR AND IN NO CASE SHALL NEUTRAL CONDUCTOR SERVE AS GROUNDING MEANS.</p> <p>E. THE GROUNDING ELECTRODE SYSTEM SHALL CONSIST OF A #4 GROUNDING ELECTRODE CONDUCTOR CONNECTED TO THE FOLLOWING PER NEC 2017 ARTICLE 250.52:</p> <p>1. METAL UNDERGROUND WATER PIPE</p> <p>2. CONCRETE-ENCASED ELECTRODE</p> <p>3. DRIVEN 5/8" COPPER GROUND ROD</p> <p>RACEWAYS AND FITTINGS</p> <p>A. CONDUIT BODIES SHALL BE MADE FROM COPPER-FREE ALUMINUM AND HAVE OPENINGS COMPATIBLE WITH CONDUIT FITTINGS. PROVIDE BLANK COVERS WITH NEOPRENE GASKETS HELD IN PLACE WITH TWO (2) STAINLESS STEEL SCREWS. BODIES SHALL BE LB, C OR OTHER TYPE INDICATED.</p> <p>B. RIGID ALUMINUM CONDUIT CONNECTIONS SHALL HAVE COMPATIBLE BUSHINGS WITH INTEGRAL INSULATOR. PROVIDE BONDING BUSHINGS FOR ALL CONNECTIONS THROUGH PRE-PUNCHED CONCENTRIC OR ECCENTRIC KNOCKOUTS.</p> <p>C. PROVIDE ONE-PIECE, CAST ALUMINUM TYPE OUTLET BOXES TO ACCOMMODATE DEVICES, IN CONFORMANCE WITH CODE REQUIREMENTS, NUMBER AND SIZE OF CONDUCTORS AND SPLICES AND CONSISTENT WITH TYPE OF CONSTRUCTION.</p> <p>D. PROVIDE HEAVY DUTY SHEET STAINLESS STEEL STRAPS, OR CHANNEL SYSTEM WITH APPROPRIATE COMPONENTS CONDUIT SUPPORTS FOR HORIZONTAL OR VERTICAL SINGLE RUNS. SPRING TYPE PRESSURE CLAMPS MAY BE USED WITH CONDUIT THROUGH 3/4".</p> <p>E. REAM CONDUIT SMOOTH AT ENDS, CAP UPON INSTALLATION, RIGIDLY ATTACH TO STRUCTURAL PARTS OF BUILDING AND SECURELY FASTEN TO OUTLET BOXES, PANEL CABINETS, JUNCTION BOXES, PULL BOXES, SPLICING CHAMBERS, SAFETY SWITCHES AND OTHER COMPONENTS OF THE RACEWAY SYSTEM.</p> <p>F. MINIMUM CONDUIT SIZE IS 1/2", EXCEPT 3/8" FLEXIBLE METAL CONDUIT IS PERMITTED FOR LIGHTING FIXTURES.</p> <p>G. EMT CONDUIT MAY BE USED FOR INTERIOR PARTITIONS, ABOVE CEILINGS, AND MECHANICAL ROOMS WHERE NOT SUBJECT TO PHYSICAL DAMAGE.</p>	<p>H. USE SCHEDULE 40 PVC CONDUIT FOR INSTALLATIONS BELOW GRADE (AND IN OR UNDER SLABS WHERE APPROVED).</p> <p>I. USE RIGID ALUMINUM CONDUIT FOR ALL INTERIOR AND EXTERIOR ABOVE GRADE APPLICATIONS. PROVIDE RIGID ALUMINUM 90 DEGREE ELBOW AT ALL TRANSITIONS FROM HORIZONTAL UNDERGROUND SCHEDULE 40 PVC TO RIGID ALUMINUM CONDUIT. PROVIDE ANTI-CORROSION TAPE ON ALL PORTIONS OF RIGID ALUMINUM CONDUIT UP TO 12" ABOVE GRADE</p> <p>J. USE LIQUID-TIGHT FLEXIBLE METAL CONDUIT NOT OVER 4 FT IN LENGTH FOR FINAL CONNECTIONS FOR TO EQUIPMENT SUCH AS EXHAUST FANS AND OTHER EQUIPMENT WITH VIBRATION ISOLATION MOUNTING.</p> <p>PANELBOARDS</p> <p>A. BASIS OF DESIGN FOR THE LIGHTING AND APPLIANCE PANELBOARD, PANEL P, IS SQUARE D QO LOAD CENTER OR EQUAL.</p> <p>B. PANELBOARDS SHALL BE UL 50 AND UL 67 LISTED.</p> <p>C. CIRCUIT BREAKERS SHALL BE UL 489 LISTED.</p> <p>D. PANELBOARDS SHALL BE COMPLETELY FACTORY ASSEMBLED WITH MOLDED CASE CIRCUIT BREAKERS AND INTEGRAL ACCESSORIES AS SHOWN IN THE PANEL SCHEDULES.</p> <p>E. PROVIDE PRINTED SCHEDULE OF CIRCUITS IN EACH PANELBOARD. SCHEDULES SHALL REFLECT FINAL LOAD DESCRIPTIONS AND ROOM NUMBERS CONNECTED TO EACH CIRCUIT BREAKER. SCHEDULES SHALL BE PRINTED ON THE PANELBOARD DIRECTORY CARDS AND BE INSTALLED IN THE APPROPRIATE PANELBOARD.</p> <p>F. MOUNT PANELBOARDS SUCH THAT THE MAXIMUM HEIGHT OF THE TOP CIRCUIT BREAKER ABOVE THE FINISHED FLOOR SHALL NOT EXCEED 78 INCHES.</p> <p>G. PROVIDE SURGE PROTECTIVE DEVICE RATED AT 80 KA MAXIMUM SURGE CURRENT PER PHASE FOR 120/240V SYSTEMS WITH L-L, L-N AND L-G PROTECTION MODES.</p> <p>WIRING DEVICES</p> <p>A. RECEPTACLES SHALL BE HEAVY-DUTY, TAMPER-RESISTANT TYPE, COMMERCIAL GRADE, RATED 20 AMPS, 125 VOLTS AC, BACK AND SIDE WIRED CAPABLE, GRAY COLORED. PUSH-IN TYPE CONNECTIONS ARE NOT PERMITTED.</p> <p>B. DEVICE COVER PLATES FOR INTERIOR AREAS SHALL BE STAINLESS STEEL.</p> <p>C. EXTERIOR RECEPTACLE PLATES SHALL BE EXTRA DUTY, PADLOCKABLE, DIE-CAST ALUMINUM, GRAY COLORED, WHILE IN USE WEATHERPROOF COVER.</p>	<table><tr><td>A</td><td>-</td><td>AMPERES</td><td>LTS</td><td>-</td><td>LIGHTS</td></tr><tr><td>AC</td><td>-</td><td>ABOVE CEILING</td><td>LV</td><td>-</td><td>LOW VOLTAGE</td></tr><tr><td>AF</td><td>-</td><td>AMPERE FRAME</td><td>MCB</td><td>-</td><td>MAIN CIRCUIT BREAKER</td></tr><tr><td>AFCI</td><td>-</td><td>ARC FAULT CIRCUIT INTERRUPTER</td><td>MIN</td><td>-</td><td>MINIMUM</td></tr><tr><td>AFF</td><td>-</td><td>ABOVE FINISHED FLOOR</td><td>MLO</td><td>-</td><td>MAIN LUGS ONLY</td></tr><tr><td>AIG</td><td>-</td><td>AMP INTERRUPTING CAPACITY</td><td>MTG</td><td>-</td><td>MOUNTING</td></tr><tr><td>ALT</td><td>-</td><td>ALTERNATE</td><td>NA</td><td>-</td><td>NOT APPLICABLE</td></tr><tr><td>AT</td><td>-</td><td>AMPERE TRIP</td><td>NC</td><td>-</td><td>NORMALLY CLOSED</td></tr><tr><td>AUTO</td><td>-</td><td>AUTOMATIC</td><td>NO</td><td>-</td><td>NORMALLY OPEN</td></tr><tr><td>AWG</td><td>-</td><td>AMERICAN WIRE GAUGE</td><td>OFCI</td><td>-</td><td>OWNER FURNISHED CONTRACTOR INSTALLED</td></tr><tr><td>BLDG</td><td>-</td><td>BUILDING</td><td>OFOI</td><td>-</td><td>OWNER FURNISHED OWNER INSTALLED</td></tr><tr><td>C</td><td>-</td><td>CONDUIT</td><td>P</td><td>-</td><td>POLE</td></tr><tr><td>CFCI</td><td>-</td><td>CONTRACTOR FURNISHED, CONTRACTOR INSTALLED</td><td>PC</td><td>-</td><td>PHOTOCELL</td></tr><tr><td>CLG</td><td>-</td><td>CEILING</td><td>PF</td><td>-</td><td>POWER FACTOR</td></tr><tr><td>CT</td><td>-</td><td>CURRENT TRANSFORMER</td><td>PH</td><td>-</td><td>PHASE</td></tr><tr><td>DC</td><td>-</td><td>DIRECT CURRENT</td><td>PVC</td><td>-</td><td>POLYVINYL CHLORIDE</td></tr><tr><td>DISC</td><td>-</td><td>DISCONNECT</td><td>REC</td><td>-</td><td>RECEPTACLE</td></tr><tr><td>EMT</td><td>-</td><td>ELECTRICAL METALLIC TUBING</td><td>SPD</td><td>-</td><td>SURGE PROTECTIVE DEVICE</td></tr><tr><td>FLA</td><td>-</td><td>FULL LOAD AMPERES</td><td>TR</td><td>-</td><td>TAMPER RESISTANT</td></tr><tr><td>G</td><td>-</td><td>GROUND</td><td>TV</td><td>-</td><td>TELEVISION</td></tr><tr><td>GFCI</td><td>-</td><td>GROUND FAULT CIRCUIT INTERRUPTER</td><td>TYP</td><td>-</td><td>TYPICAL</td></tr><tr><td>GFI</td><td>-</td><td>GROUND FAULT INTERRUPTER</td><td>UC</td><td>-</td><td>UNDER COUNTER</td></tr><tr><td>GRC</td><td>-</td><td>GALVANIZED RIGID CONDUIT</td><td>UG</td><td>-</td><td>UNDERGROUND</td></tr><tr><td>HP</td><td>-</td><td>HORSEPOWER</td><td>UNO</td><td>-</td><td>UNLESS NOTED OTHERWISE</td></tr><tr><td>JB</td><td>-</td><td>JUNCTION BOX</td><td>V</td><td>-</td><td>VOLTAGE</td></tr><tr><td>KV</td><td>-</td><td>KILOVOLT</td><td>W</td><td>-</td><td>WITH</td></tr><tr><td>KVA</td><td>-</td><td>KILOVOLT-AMPERES</td><td>WP</td><td>-</td><td>WEATHERPROOF</td></tr><tr><td>KW</td><td>-</td><td>KILOWATTS</td><td></td><td></td><td></td></tr><tr><td>KWH</td><td>-</td><td>KILOWATT HOURS</td><td></td><td></td><td></td></tr></table>	A	-	AMPERES	LTS	-	LIGHTS	AC	-	ABOVE CEILING	LV	-	LOW VOLTAGE	AF	-	AMPERE FRAME	MCB	-	MAIN CIRCUIT BREAKER	AFCI	-	ARC FAULT CIRCUIT INTERRUPTER	MIN	-	MINIMUM	AFF	-	ABOVE FINISHED FLOOR	MLO	-	MAIN LUGS ONLY	AIG	-	AMP INTERRUPTING CAPACITY	MTG	-	MOUNTING	ALT	-	ALTERNATE	NA	-	NOT APPLICABLE	AT	-	AMPERE TRIP	NC	-	NORMALLY CLOSED	AUTO	-	AUTOMATIC	NO	-	NORMALLY OPEN	AWG	-	AMERICAN WIRE GAUGE	OFCI	-	OWNER FURNISHED CONTRACTOR INSTALLED	BLDG	-	BUILDING	OFOI	-	OWNER FURNISHED OWNER INSTALLED	C	-	CONDUIT	P	-	POLE	CFCI	-	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	PC	-	PHOTOCELL	CLG	-	CEILING	PF	-	POWER FACTOR	CT	-	CURRENT TRANSFORMER	PH	-	PHASE	DC	-	DIRECT CURRENT	PVC	-	POLYVINYL CHLORIDE	DISC	-	DISCONNECT	REC	-	RECEPTACLE	EMT	-	ELECTRICAL METALLIC TUBING	SPD	-	SURGE PROTECTIVE DEVICE	FLA	-	FULL LOAD AMPERES	TR	-	TAMPER RESISTANT	G	-	GROUND	TV	-	TELEVISION	GFCI	-	GROUND FAULT CIRCUIT INTERRUPTER	TYP	-	TYPICAL	GFI	-	GROUND FAULT INTERRUPTER	UC	-	UNDER COUNTER	GRC	-	GALVANIZED RIGID CONDUIT	UG	-	UNDERGROUND	HP	-	HORSEPOWER	UNO	-	UNLESS NOTED OTHERWISE	JB	-	JUNCTION BOX	V	-	VOLTAGE	KV	-	KILOVOLT	W	-	WITH	KVA	-	KILOVOLT-AMPERES	WP	-	WEATHERPROOF	KW	-	KILOWATTS				KWH	-	KILOWATT HOURS			
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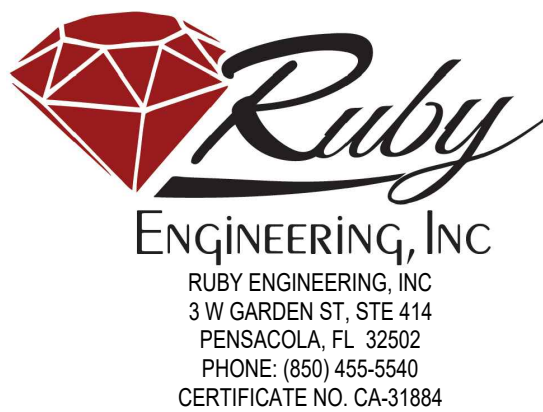
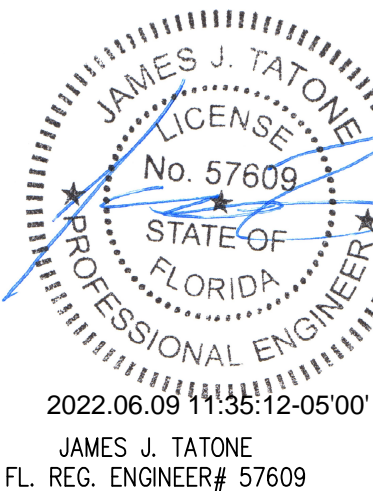
0206187-004-JC

This does not relieve the applicant from
the responsibility to obtain any approvals
or permits which may be required by
Federal, State, County or Municipal law.

James J. Tatone, State of Florida, Professional
Engineer, License No. 57609.

This item has been electronically signed and sealed by
James J. Tatone, PE. On 06/09/2022 using a Digital
Signature.

Printed copies of this document are not considered
signed and sealed and the signature must be verified on
any electronic copies.



BASKERVILLE-DONOVAN, INC.
ENGINEERING THE SOUTH SINCE 1927

449 WEST MAIN STREET, PENSACOLA, FL 32502 (850) 438-5661
ENGINEERING BUSINESS: EB-00000340

Pensacola - Panama City Beach - Tallahassee - Mobile

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MEXICO BEACH PIER
REPLACEMENT

REVISION / ACTION TAKEN

APPR.

DATE

NO.

PROJECT NO: 90622.01

DESIGNED BY: JJT

DRAWN BY: JLB

CHKD BY: JJT

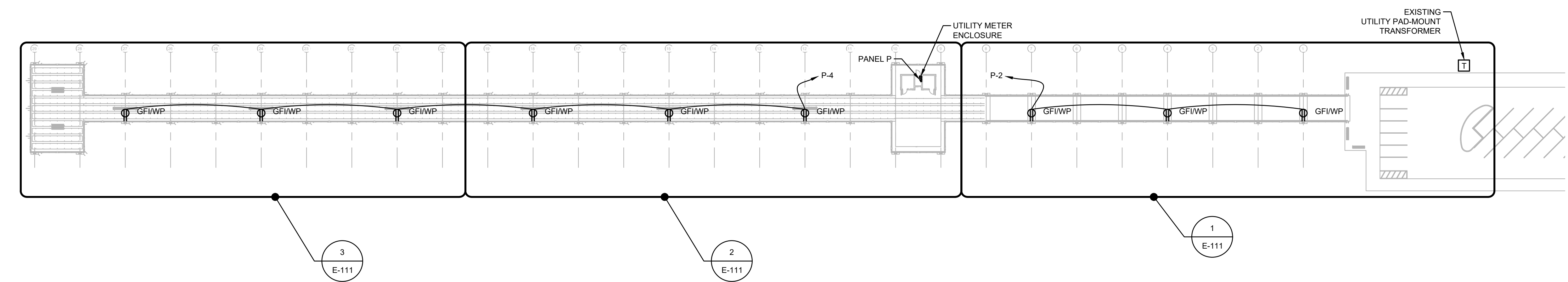
PROJ. MGR: DKH

DATE: JUNE 2022

LEGEND, ABBREVIATIONS,
AND SPECIFICATIONS

E-001

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6/16/2022

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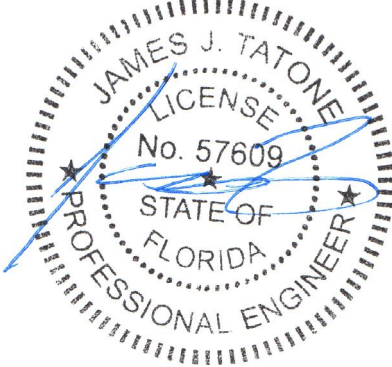
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1 OVERALL PIER PLAN
SCALE: 1" = 40' 0 20' 40' 80'

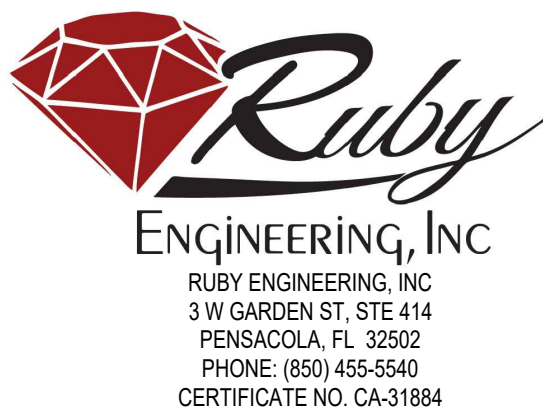
James J. Tatone, State of Florida, Professional
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JAMES J. TATONE
FL. REG. ENGINEER# 57609



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ENGINEERING THE SOUTH SINCE 1927
449 WEST MAIN STREET, PENSACOLA, FL 32502 (850) 438-5661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile
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MEXICO BEACH PIER
REPLACEMENT

PROJECT NO.	NO.	DATE	APPR.	REVISION / ACTION TAKEN
90622.01				
DESIGNED BY: JJT				
DRAWN BY: JLB				
CHKD BY: JJT				
PROJ. MGR: DKH				
DATE: JUNE 2022				
PERMIT SET BY JJT				DATE 06/09/2022

OVERALL
PIER PLAN

G:\shortcut-targets-by-id\1kUDJ_kXmsy6Brj3kYksmrW0tMuoxn\1 RUBY ENGINEERING\1.2 PROJECTS\E-2022\E22-10 Mexico Beach Pier\DRAWINGS\E-111 ENLARGED SITE.dwg, Jun 09, 2022 -- 10:30:35AM, Ruby Engineering 1



Florida Fish and Wildlife
Conservation Commission

**This lighting plan meets
recommendations to minimize
impacts to marine turtles.**

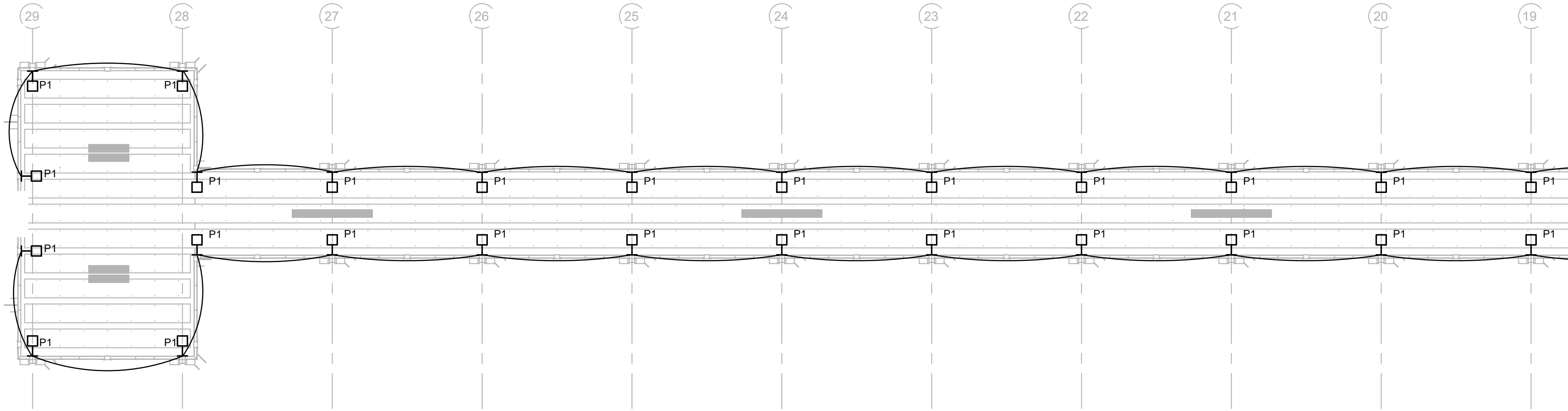
Rachel Joffey

Rachel Joffey

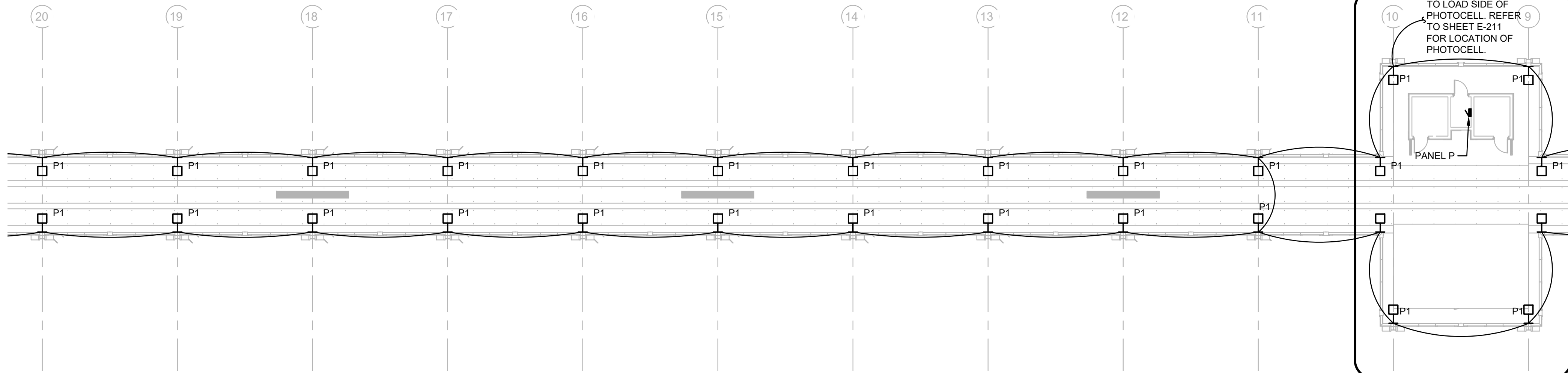
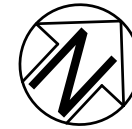
6/16/2022

0206187-004-JC

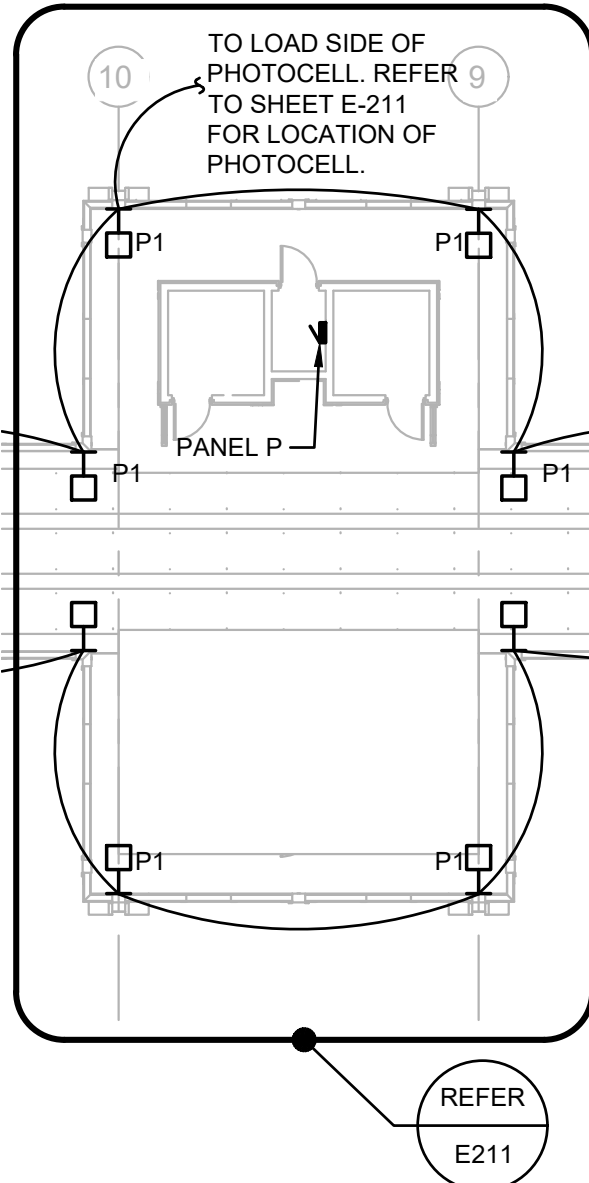
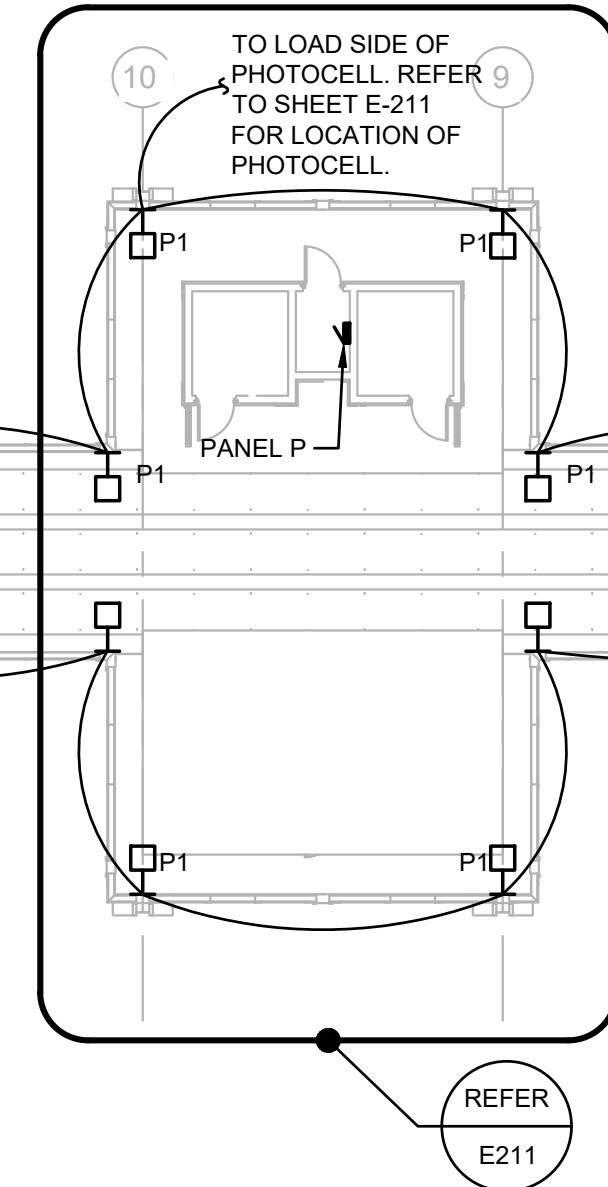
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3 ENLARGED PIER PLAN
SCALE: 1/16" = 1'-0" 0 4' 8' 16' 32'



2 ENLARGED PIER PLAN
SCALE: 1/16" = 1'-0" 0 4' 8' 16' 32'

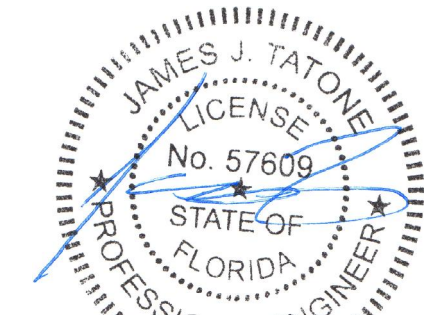


EXISTING
UTILITY
PAD-MOUNTED
TRANSFORMER
T

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1 ENLARGED PIER PLAN
SCALE: 1/16" = 1'-0" 0 4' 8' 16' 32'



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MEXICO BEACH PIER
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PROJ. MGR:	DKH				
DATE:	JUNE 2022				
PERMIT SET BY:	JJT	DATE	06/09/2022		

ENLARGED
PIER PLAN

E-111



Florida Fish and Wildlife
Conservation Commission

This lighting plan meets
recommendations to minimize
impacts to marine turtles.

Rachel Joffey

Rachel Joffey

6/16/2022

0206187-004-JC

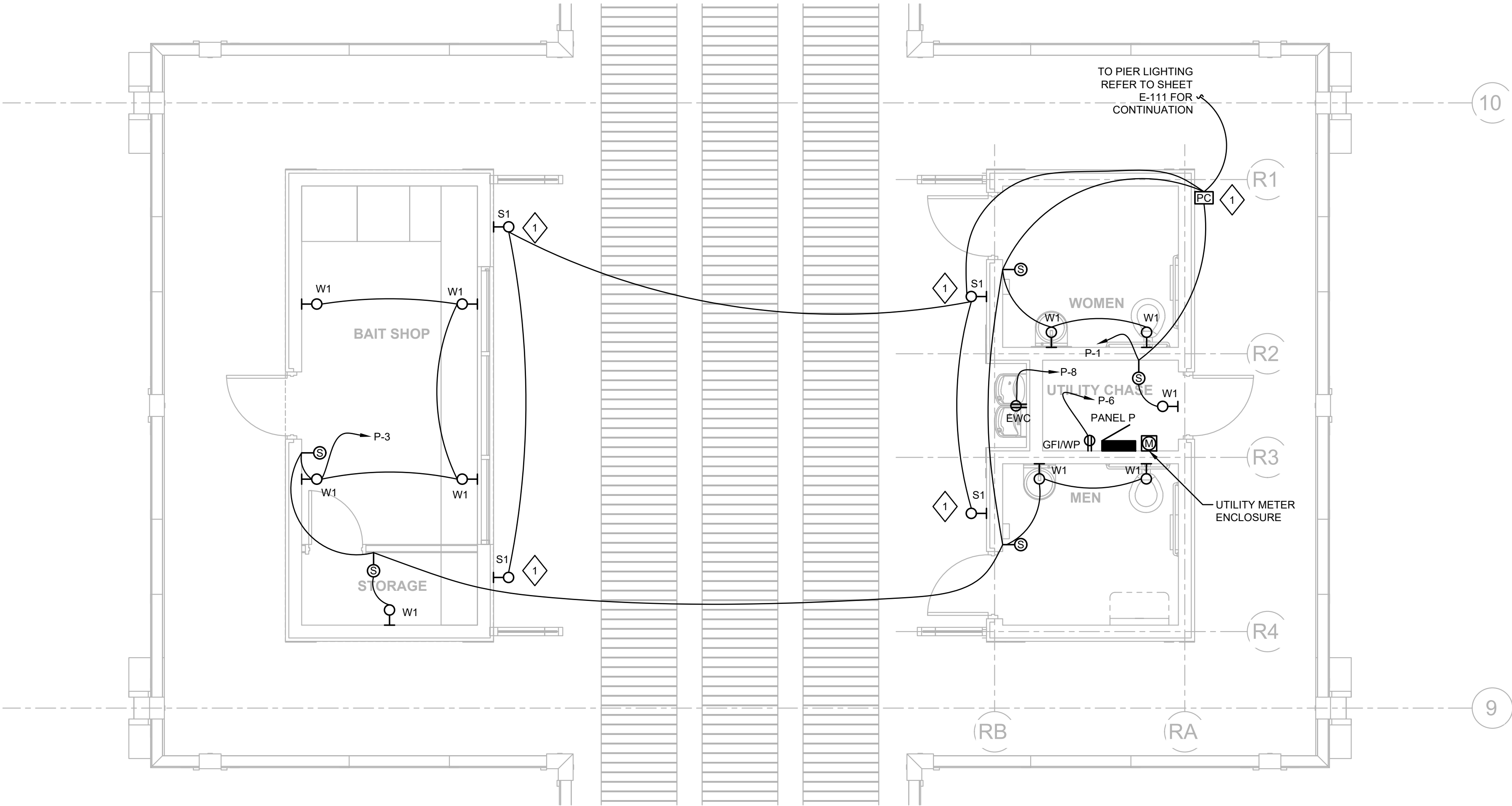
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Type	Manufacturer	Model Series	Lamps No. & Type	Volts	Input Watts	Remarks
P1	ConTech Lighting	STPL Series	LED AMBER 34 LUMENS	120	2	LED RECESSED VERTICAL LOUVERED LUMINAIRE WITH BRONZE FINISH MOUNTED IN THE PIER PILASTERS AS SHOWN ON THE PILASTER DECK ELEVATION (DETAIL 7, SHEET A). LUMINAIRE SHALL BE PROVIDED WITH HOUSING CONSTRUCTED OF HIGH IMPACT, WEATHER RESISTANT POLYCARBONATE AND FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION APPROVED AMBER LEDS. WET LOCATION LISTED.
S1	Wave Lighting	S35W Series	LED AMBER 590 nm 336 LUMENS	120	11	EXTERIOR FWC CERTIFIED "TURTLE SAFE AND DARK SKY FRIENDLY" WALL SCONCE IN BLACK HOUSING WITH BAFFLE AND UL LISTED FOR WET LOCATIONS. MOUNTED AT 8'-0" TO CENTER OF LUMINAIRE.
W1	Liton	WD1472 Series	LED AMBER 585-595 nm 850 LUMENS	120	15	WALL LUMINAIRE IN DIE CAST, BLACK POWDER COAT FINISHED ALUMINUM HOUSING AND TEMPERED GLASS CLEAR LENS. WET LOCATION LISTED. MOUNTED AT 7'-2" TO BOTTOM OF LUMINAIRE.

LUMINAIRE SCHEDULE

KEYED NOTES

1 PROVIDE BUTTON TYPE PHOTOCELL INSTALLED ON
STRUCTURAL OPEN FRAMING. THE EXTERIOR WALL
SCONCE (TYPE S1) AND PIER LIGHTING (TYPE P1)
SHALL BE CONTROLLED BY THE PHOTOCELL.
LOCATE POWER SUPPLIES FOR EACH TAPE LIGHT
WITHIN UTILITY CHASE.

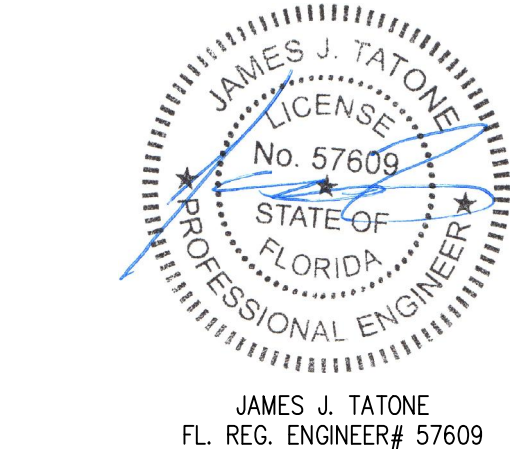


1 RESTROOM BUILDING PLAN
SCALE: 1/4" = 1'-0" 0 1' 2' 4' 8'

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MEXICO BEACH PIER
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CHKD BY:	JJT				
PROJ. MGR:	DKH				
DATE:	JUNE 2022				
PERMIT SET BY	JJT	DATE	06/09/2022		

RESTROOM
BUILDING PLAN

E-211

G:\shortcut-targets-by-id\1kUDJ_kXmsyGBraJ3kYksmrWOTMuoxnK\1 RUBY ENGINEERING\1.2 PROJECTS\E-2022\E22-10 Mexico Beach Pier\DRAWINGS\E\E-311 RISER.dwg, Jun 09, 2022 - 10:38:01AM, Ruby Engineering 1



Florida Fish and Wildlife
Conservation Commission

This lighting plan meets
recommendations to minimize
impacts to marine turtles.

Rachel Joffey

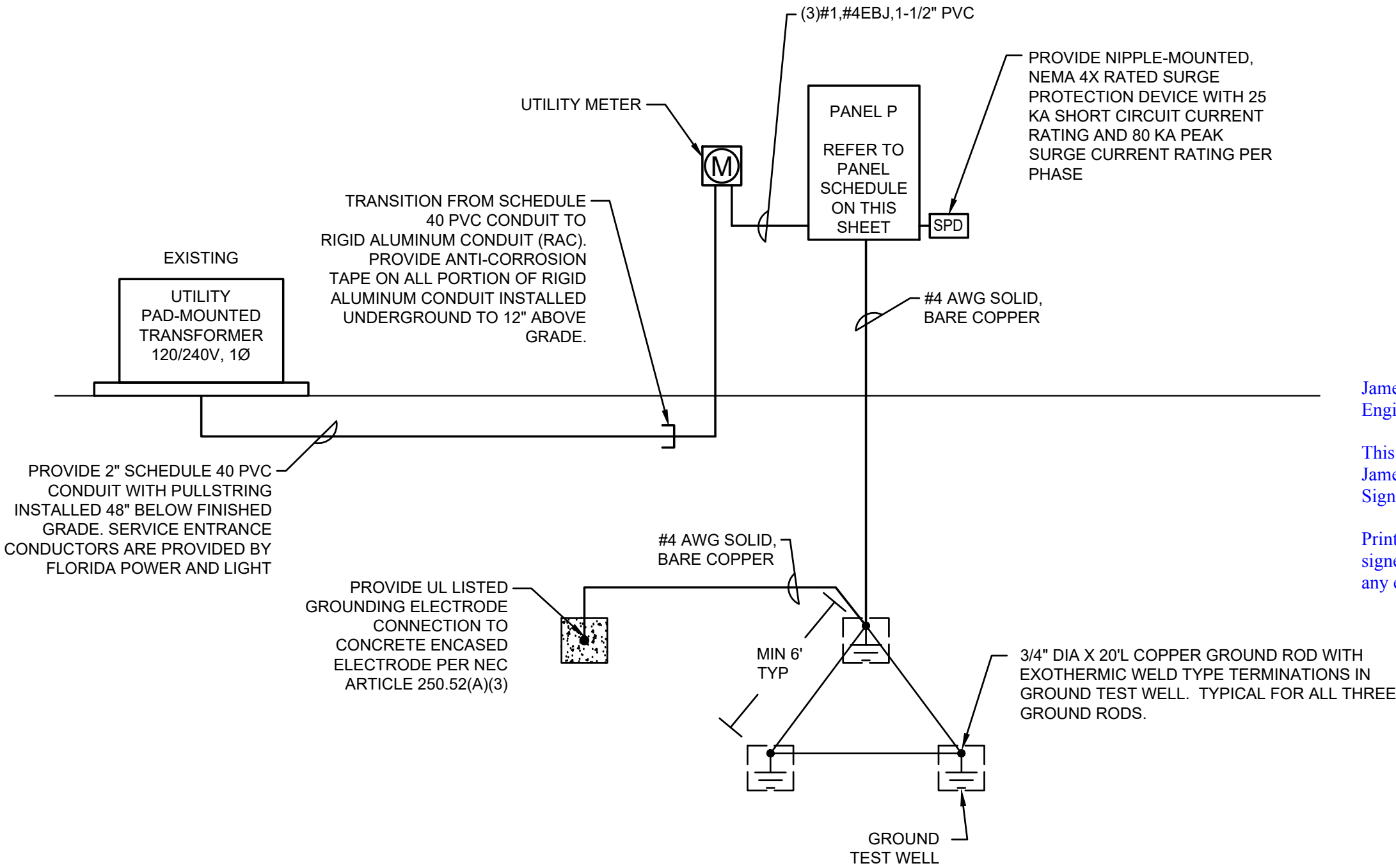
Rachel Joffey

6/16/2022

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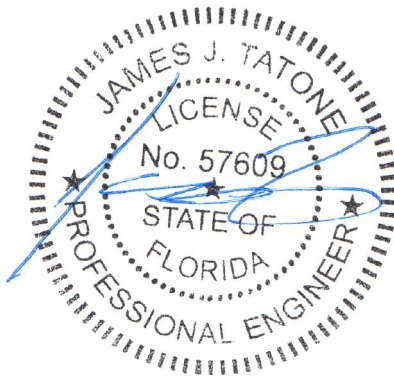
LOAD CENTER SCHEDULE													
PANEL DESIGNATION:		P	LOCATION:		UTILITY CHASE			MOUNTING:			SURFACE		
VOLTAGE:		120/240	1 PHASE, 3 WIRES		200% NEUTRAL:			NO	FEED THROUGH LUGS:			NO	
MAIN BREAKER:		100 A	BUS RATING:		100 A	AIC RATING:			10 KACR	SURGE PROTECTION:			YES
CODE LETTER: (L) LIGHTING, (R) RECEPTACLE, (M) MOTOR, (S) SPECIFIC APPLIANCE, (K) KITCHEN EQUIPMENT (H) FIXED ELECTRIC SPACE HEATING, (C) REFRIGERANT COMPRESSOR, (N) NON-COINCIDENT LOAD													
REMARKS: BASIS OF DESIGN: SQUARE D TYPE QO SUITABLE FOR USE AS SERVICE EQUIPMENT													
CIRCUIT DESCRIPTION	CODE	AMP POLE	CK T	LOAD (KVA)		CK T	AMP POLE	CODE	CIRCUIT DESCRIPTION				
				AΦ	BΦ								
LTS: Restroom Building and Pier Lighting	L	20/1	1	1.50		2	20/1	R	REC: Exterior GFI Outlets				
LTS: Bait Shop	L	20/1	3	0.54		4	20/1	R	REC: Exterior GFI Outlets				
SPARE		20/1	5		0.70	6	20/1	R	REC: Utility Chase				
SPARE		20/1	7		1.08	8	20/1	S	EWC: Electric Water Cooler Provide GFCI Breaker				
SPARE		20/1	9		0.18	10	20/1		SPARE				
SPARE		20/1	11			12	20/1		SPARE				
SPARE		20/1	13			14	20/1		SPARE				
SPARE		20/1	15			16	20/1		SPARE				
SPARE		20/1	17			18	30/2	S	Surge Protective Device				
SPARE		20/1	19			20	-						
CONN. KVA (CODE L):		2.2	COMPUTED CODE L KVA:		2.8			CONNECTED KVA AΦ:		2.2			
CONN. KVA (CODE R):		1.8	COMPUTED CODE R KVA:		1.8			CONNECTED KVA BΦ:		2.0			
CONN. KVA (CODE S):		0.2	COMPUTED CODE S KVA:		0.2								
CONN. KVA (CODE K):		0.0	COMPUTED CODE K KVA:		0.0			TOTAL CONNECTED KVA:		4.2			
CONN. KVA (CODE M):		0.0	COMPUTED CODE M KVA:		0.0			TOTAL CONNECTED AMPS:		17.4			
CONN. KVA (CODE H):		0.0	COMPUTED CODE H KVA:		0.0			TOTAL COMPUTED KVA:		4.7			
CONN. KVA (CODE C):		0.0	COMPUTED CODE C KVA:		0.0			TOTAL COMPUTED AMPS:		19.7			
CONN. KVA (CODE N):		0.0	COMPUTED CODE N KVA:		0.0			HIGH PHASE AMPS:		18.5			



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MEXICO BEACH PIER
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CHKD BY: JLT				
PROJ. MGR: DKH				
DATE: JUNE 2022				
PERMIT SET BY: JLT				
DATE: 06/09/2022				

DIAGRAMS

E-311

