

USE FOR LIGHTING CONSTRUCTION ONLY

ESTIMATED BILL OF MATERIALS		
UNIT	ITEM	QNTY
EA	PCJB: 12"X11"X18" POLYMER CONCRETE JUNCTION BOX	4
EA	LED PATH LIGHT	320
FT	2 AWG SIZE 8 CONDUCTOR (BK & WH) 1 AWG SIZE 10 GROUNDING CONDUCTOR	4600
FT	3/4" PVC CONDUIT	4250
EA	3/4" PVC 90° BELL ELBOW	10
EA	3/4" PVC 45° BELL ELBOW	4
EA	3/4" PVC EXPANSION FITTINGS	11
EA	LIGHT CONTROL SYSTEM 1	2

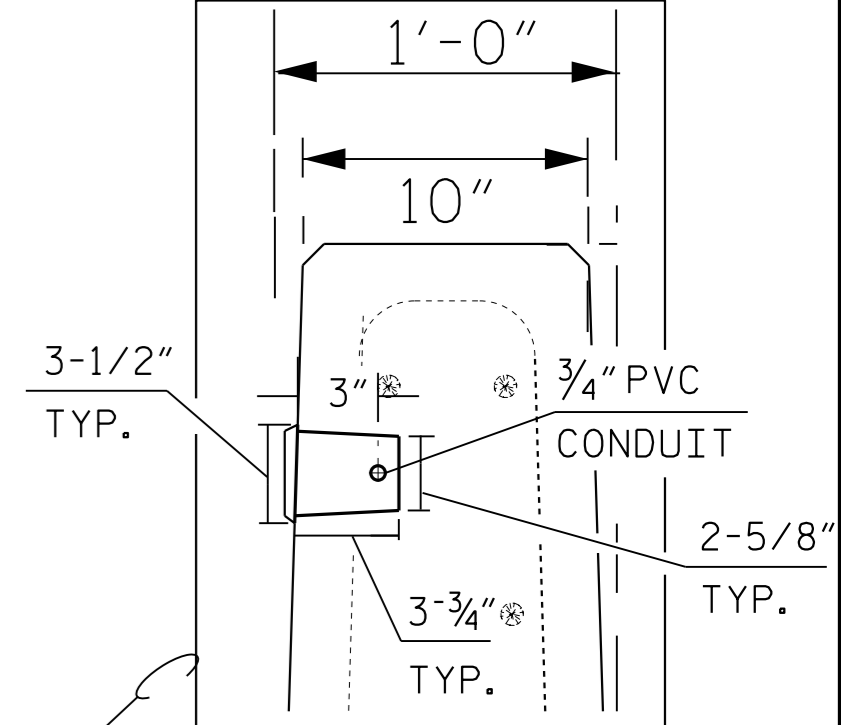
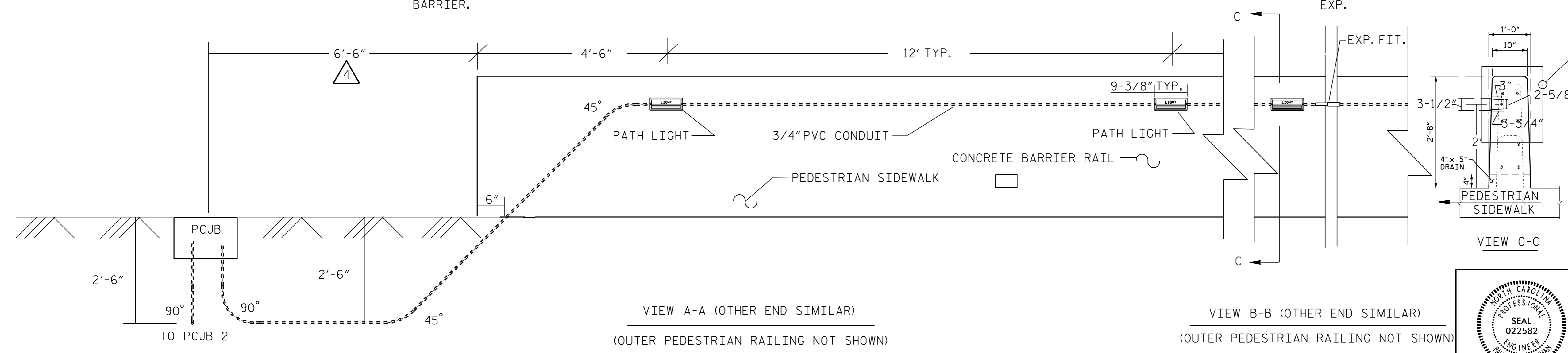
LOAD SCHEDULE				
1Ø, 3W, 120/240 VAC		CONTROL SYSTEM "B"		
CIRCUIT ID	PATH LIGHTS 15 W LED	AMPS @ 240V	KW LOAD	BREAKER SIZE (AMPS)
B1	L161 - L320	10.0	2.4	15
SPARE				15
TOTAL	160	10.0	2.4	

**SCOPE OF WORK**  
PLACE LED PATH LIGHTS FACING PEDESTRIAN SIDEWALK WITH CONDUIT AND WIRES ON SIDEWALK CONCRETE BARRIER RAIL.

LOAD SCHEDULE				
1Ø, 3W, 120/240 VAC		CONTROL SYSTEM "A"		
CIRCUIT ID	PATH LIGHTS 15 W LED	AMPS @ 240V	KW LOAD	BREAKER SIZE (AMPS)
A1	L1 - L160	10.0	2.4	15
SPARE				15
TOTAL	160	10.0	2.4	

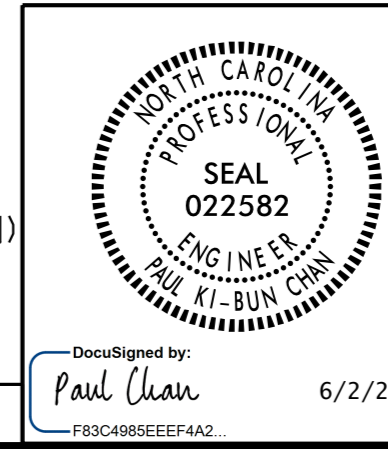
**DESIGN CRITERIA**  
ALL WORK SHALL CONFORM WITH DIVISION 14 OF THE STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, DATED JANUARY 2012  
PATH LIGHTING SYSTEM SPECIAL PROVISIONS  
2014 NATIONAL ELECTRIC CODE

- 1 SEE SHEET PLS-2 FOR DETAIL. COORDINATE POWER SERVICE CONNECTION TO LIGHT CONTROL SYSTEM WITH LOCAL UTILITY COMPANY.
- 2 POSITION CONTROL SYSTEM "A" NEAR PROPOSED RELOCATED UTILITY LINE. AVOID PROPOSED RETAINING WALL WHEN INSTALLING FEEDER CIRCUIT CONDUIT AND CONDUCTORS.
- 3 POSITION CONTROL SYSTEM "B" AND INSTALL ASSOCIATED FEEDER CIRCUIT TO AVOID NEARBY RELOCATED SEWER LINES. SEE UTILITY CONSTRUCTION PLANS FOR UTILITY LINE LOCATIONS.
- 4 DISTANCE BETWEEN PCJB AND BARRIER RAIL IS VARIABLE. POSITION PCJB TO ALLOW FOR CONDUIT SWEEPS AND MINIMUM 6" OFFSET FROM END OF CONCRETE BARRIER.



PROJECT NO. B-4929  
PENDER COUNTY  
STATION: 22+62.50 -L-

SHEET 1 OF 2  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
PEDESTRIAN LIGHTING ON  
BRIDGE ON NC50/NC210  
OVER THE INTERCOASTAL  
WATERWAY



REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			2		

DRAWN BY: SKS DATE: 06/01/16  
CHECKED BY: PKC DATE: 06/01/16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED