

GENERAL NOTES

1.

UTILITY OWNERS:

NOTE TO DESIGNERS

LIST ALL UTILITY OWNERS AFFECTED BY THIS PROJECT PER EXAMPLE BELOW:

MRS. JEANNIE A. TALHOUK. FLORIDA POWER CORP: 4121 ST. LAWRENCE DRIVE.  
NEW PORT RICHEY, FL 34653 (813) 372-5102.
2.

THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE AND BASED ON THE INFORMATION FURNISHED TO THE ENGINEER BY THE UTILITY OWNER(S) AND ARE SHOWN AS NOTICE TO THE CONTRACTOR THAT UNDERGROUND UTILITIES EXIST. BEFORE EXCAVATING, NOTIFY THE UTILITY COMPANY OWNER(S) AND REQUEST THEM TO LOCATE AND STAKE THEIR UNDERGROUND FACILITIES. UTILITIES ARE TO BE ADJUSTED BY OTHERS AS DIRECTED BY THE ENGINEER.
3.

FOR ALTERNATIVE PROPOSED LUMINAIRES, SUBMITTAL DATA SHALL INCLUDE COMPUTER PRINTOUTS SHOWING POINT-TO-POINT HORIZONTAL FOOT-CANDLE LEVELS TO BE OBTAINED ON THIS PROJECT. LIGHTING DESIGN ANALYSIS REPORT SHALL BE USED, IF NO ALTERNATIVE LUMINAIRES ARE PROPOSED. AT FINAL INSPECTION, THE CONTRACTOR SHALL VERIFY THE HORIZONTAL FOOT-CANDLE LEVELS ON THE ROADWAY WITH AN APPROVED AND PROPERLY CALIBRATED LIGHT METER.
4.

IN ACCORDANCE WITH N.E.C., IDENTIFY ALL CIRCUITS AND EQUIPMENT WITH "LAMACOID TAGS". INSTALL SIMILIAR TAGS OF STAINLESS STEEL, IDENTIFYING CIRCUIT FOR EACH LUMINAIRE AT ACCESS HANDHOLE FOR EACH POLE.
5.

NOTIFY UTILITY POWER SERVICE PROVIDER AT LEAST 48 HOURS PRIOR TO ANY INSTALLATION THAT IS WITHIN 10 FEET OF ENERGIZED ELECTRICAL CONDUCTORS. UTILITY POWER SERVICE PROVIDER, AT IT'S OPTION, SHALL ASSIST THE F.D.O.T.CONTRACTOR TO COVER UP ENERGIZED CONDUCTORS AT INSTALLATION SITE OR TAKE OTHER SAFETY PRECAUTIONS AS NECESSARY. EXTREME CAUTION SHALL BE EXERCISED AT ALL TIMES IN PERFORMANCE OF WORK AROUND THE PRIMARY, HIGH VOLTAGE COMPONENTS.
6.

PULLING INSTRUCTIONS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO JACKET AND MEET MANUFACTURER'S REQUIREMENTS. USE PULLING COMPOUND PER MANUFACTURER'S REQUIREMENTS. ALL BENDS SHALL NOT BE LESS THAN RECOMMENDED BY N.E.C. OR N.E.S.C. FOR CABLE USED. PULL CABLE SHALL BE POLYESTER. STEEL CABLE OR FISH TAPES NOT ALLOWED.
7.

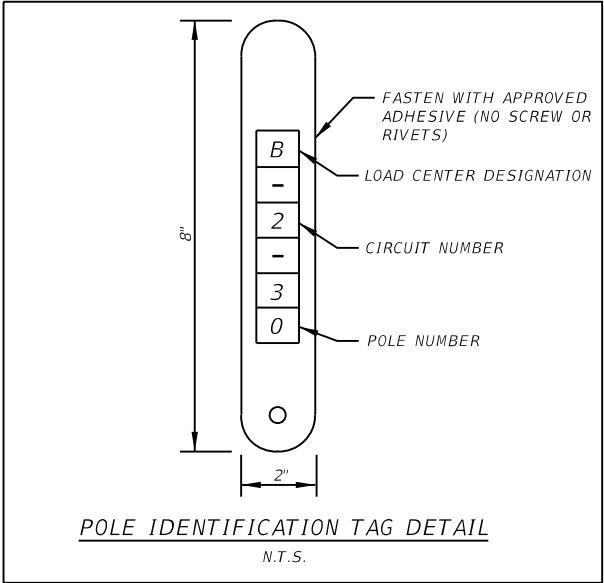
THE LIGHTING SYSTEM WILL BE MAINTAINED BY \_\_\_\_\_UPON FINAL ACCEPTANCE.
8.

EXISTING LIGHTING EQUIPMENT POWER SOURCES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING DEMOLITION/REMOVAL WORK.
9.

ALL CONDUITS SHALL BE MANDREL TESTED AND CLEANED. CONDUITS PLACED FOR FUTURE USE SHALL HAVE. 3/4" POLYESTER CORD PULLED IN PLACE AND CAPPED WITH NOTATION INSIDE CONDUIT AS TO LOCATION OF OPPOSITE END. PLACE DUCT MARKER OR PULL BOXES TO MARK ENDS OF EMPTY CONDUITS.
10.

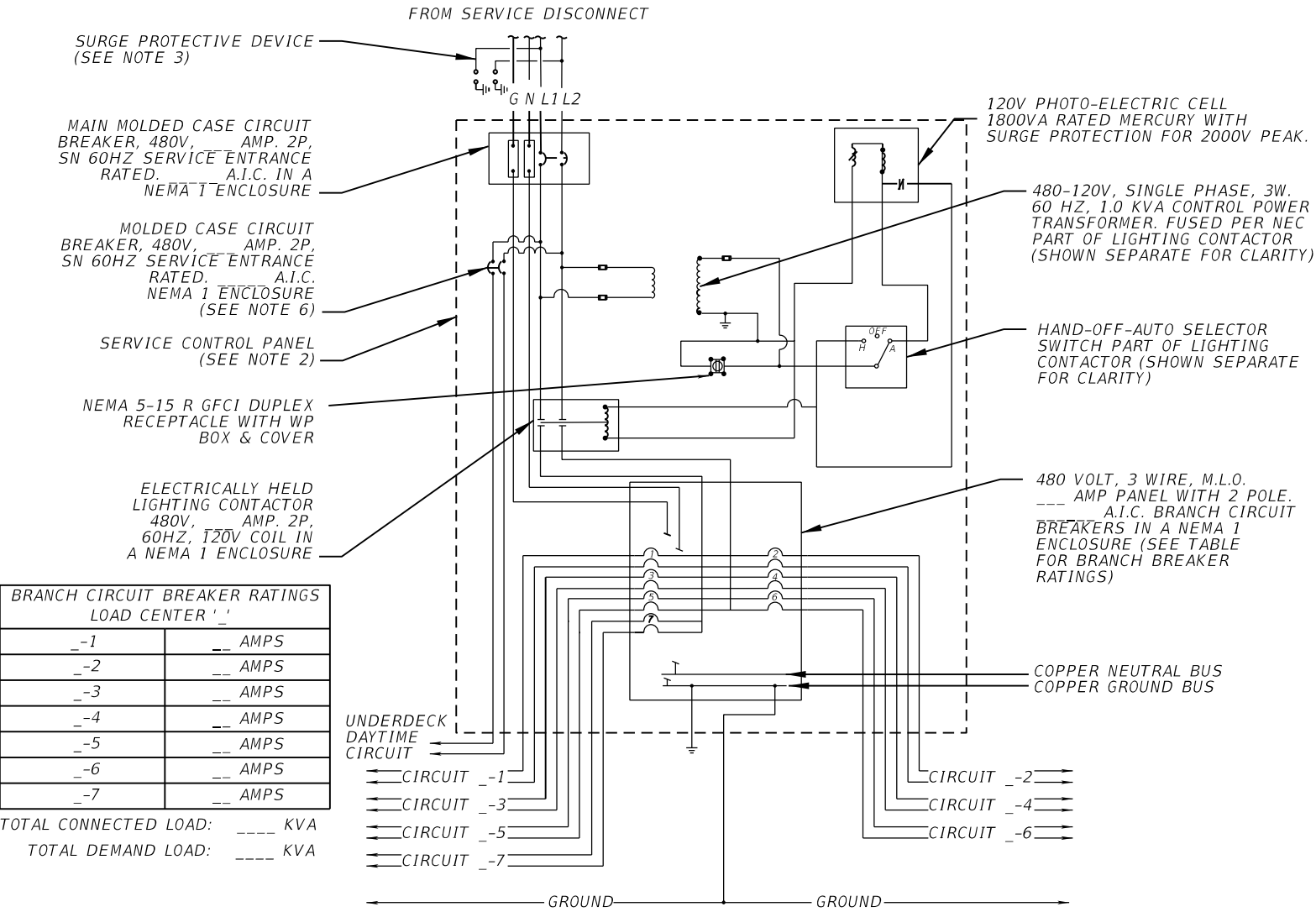
THE CONTRACTOR SHALL REMOVE ALL OUT OF SERVICE ROADWAY LIGHTING SYSTEM COMPONENTS INCLUDING UNDERGROUND AND SURFACE MOUNT CONDUITS, CONDUCTORS, POLE BASES, POLES, PULL BOXES, SERVICE POINTS, LOAD CENTERS, AND ALL OTHER ANCILLARY COMPONENTS RELATED TO THE LIGHTING SYSTEM NOTED IN THE PLANS.
11.

ON REMOVED SIGN STRUCTURES, THE CONTRACTOR SHALL REMOVE ALL ASSOCIATED WIRING AND COMPONENTS FROM THE PULL BOX TO THE SIGN STRUCTURE, AND RE-SPLICE CONDUCTORS AS NEEDED.



REVISIONS					STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PAY ITEM AND GENERAL NOTE SHEET ROADWAY LIGHTING DESIGN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		201 (1 OF 1)
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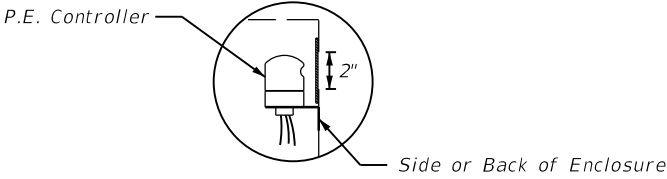
- NOTE TO DESIGNERS:
1. CPT FUSE RATING TO BE SHOWN IN PLANS.
  2. LOAD CENTER/SERVICE POINTS SHALL BE PROVIDED WITH A MINIMUM OF 20% SPARE CAPACITY.
  3. BREAKER AND WIRING INSTALLED WHEN DAYTIME LIGHTING CIRCUIT IS REQUIRED.
  4. CABINET SHALL BE GROUNDED PER NEC AND FDOT STANDARD PLANS AND DETAILED IN THE PLANS.



- NOTES:
1. ALL WIRING INSIDE SERVICE CONTROL PANEL SHALL BE INSTALLED IN INTERMEDIATE METAL CONDUIT.
  2. CONTRACTOR SHALL FURNISH ENCLOSURE SIZED FOR THE EQUIPMENT (SEE ENCLOSURE DETAIL THIS SHEET).
  3. SURGE PROTECTIVE DEVICE (SPD): SPD UNIT SHALL BE WIRED INSIDE THE ENCLOSURE. SPD UNIT SHALL BE MOUNTED ON THE OUTSIDE OF THE ENCLOSURE.
  4. SHOP DRAWINGS REQUIRED FOR ALL EQUIPMENT ASSOCIATED WITH THE LOAD CENTER.

LOAD CENTER SCHEMATIC DIAGRAM

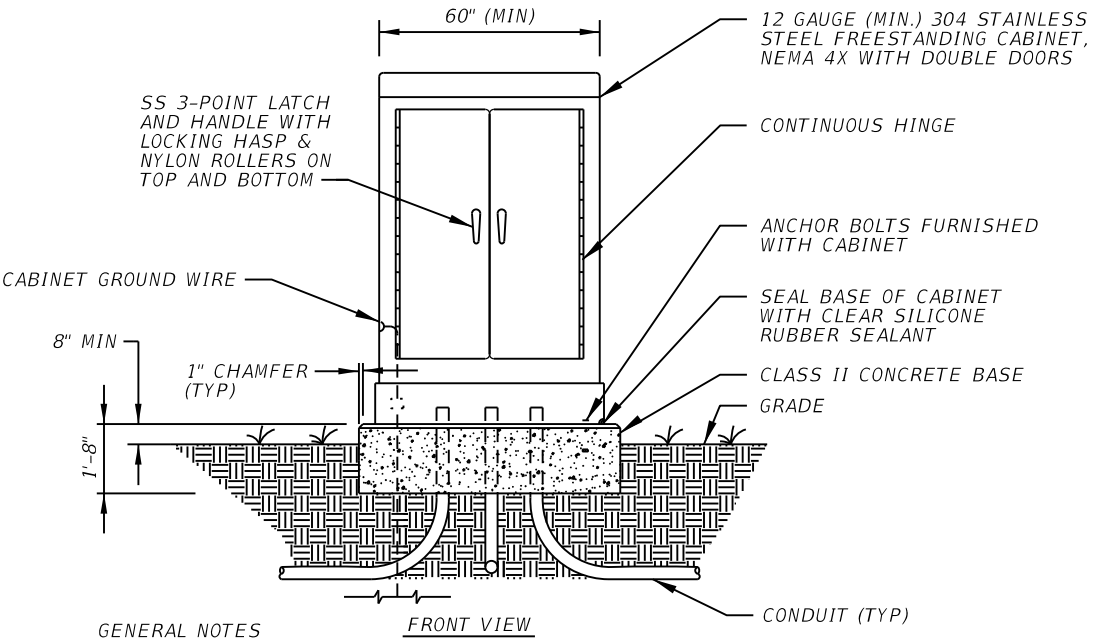
N.T.S.



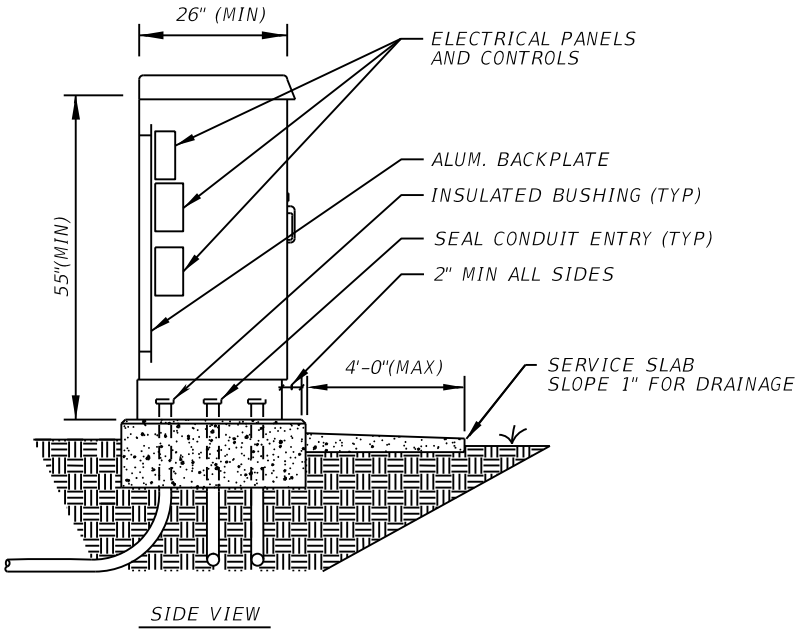
CUT A 2" HOLE IN THE SIDE OF THE LIGHTING CONTROL PANEL ENCLOSURE FOR THE OPERATION AND MOUNTING OF THE P.E. CONTROLLER. USE PLEXIGLASS AND A CLEAR SILICONE SEALANT TO COVER HOLE, INSTALL P.E. CONTROLLER.

PHOTO ELECTRIC CONTROLLER DETAIL

N.T.S.



1. STUB-OUT ONE (1) SPARE 2" PVC CONDUIT BELOW GRADE AND BEYOND CONCRETE BASE. CAP ENDS AND INDICATE LOCATION OF STUB-OUT INSIDE CABINET

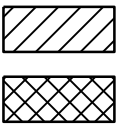
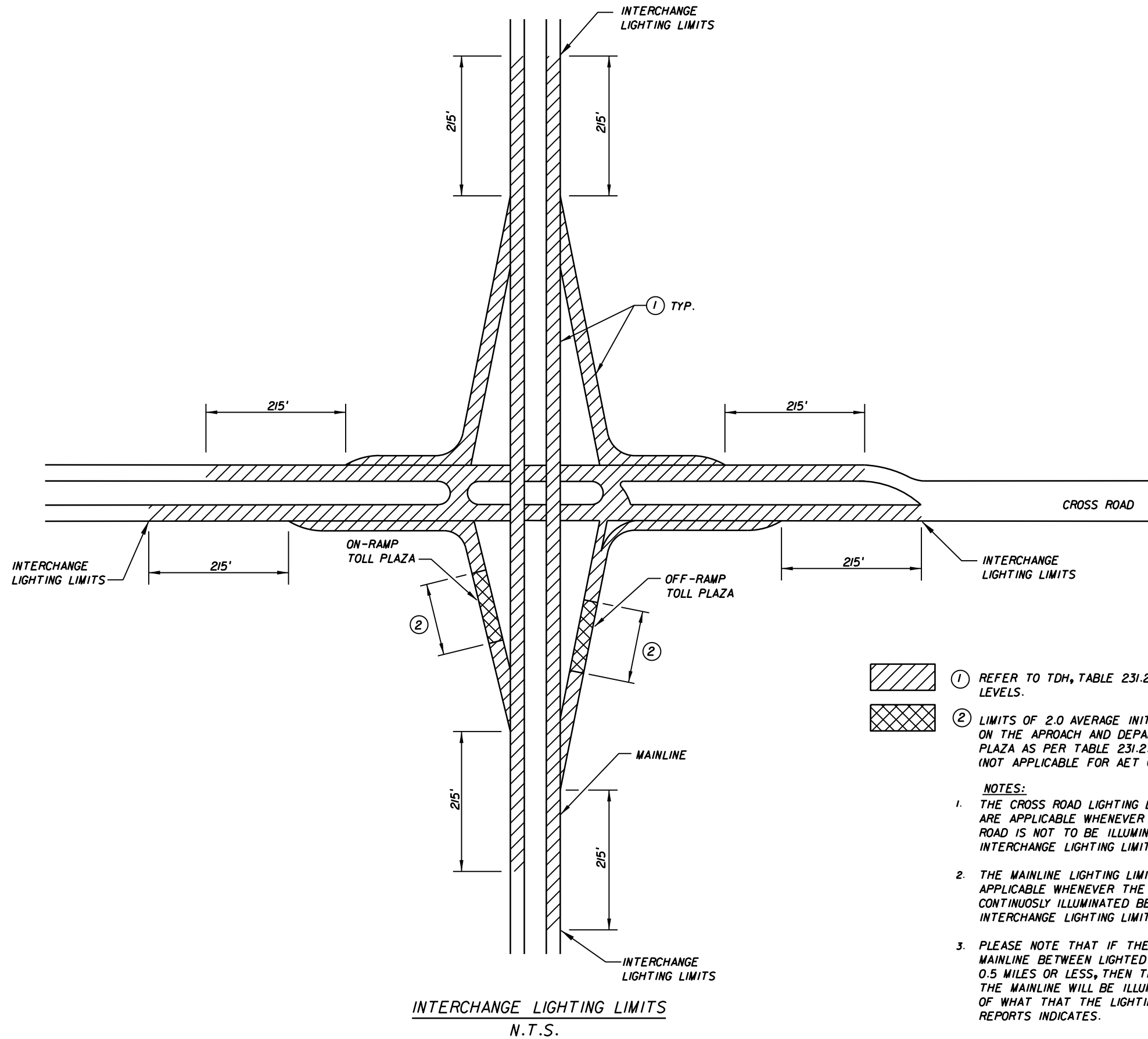


LOAD CENTER ENCLOSURE DETAIL

N.T.S.

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	FLORIDA TURNPIKE LOAD CENTER DETAILS	SHEET NO. 202 (1 OF 2)
DATE	DESCRIPTION	DATE	DESCRIPTION						



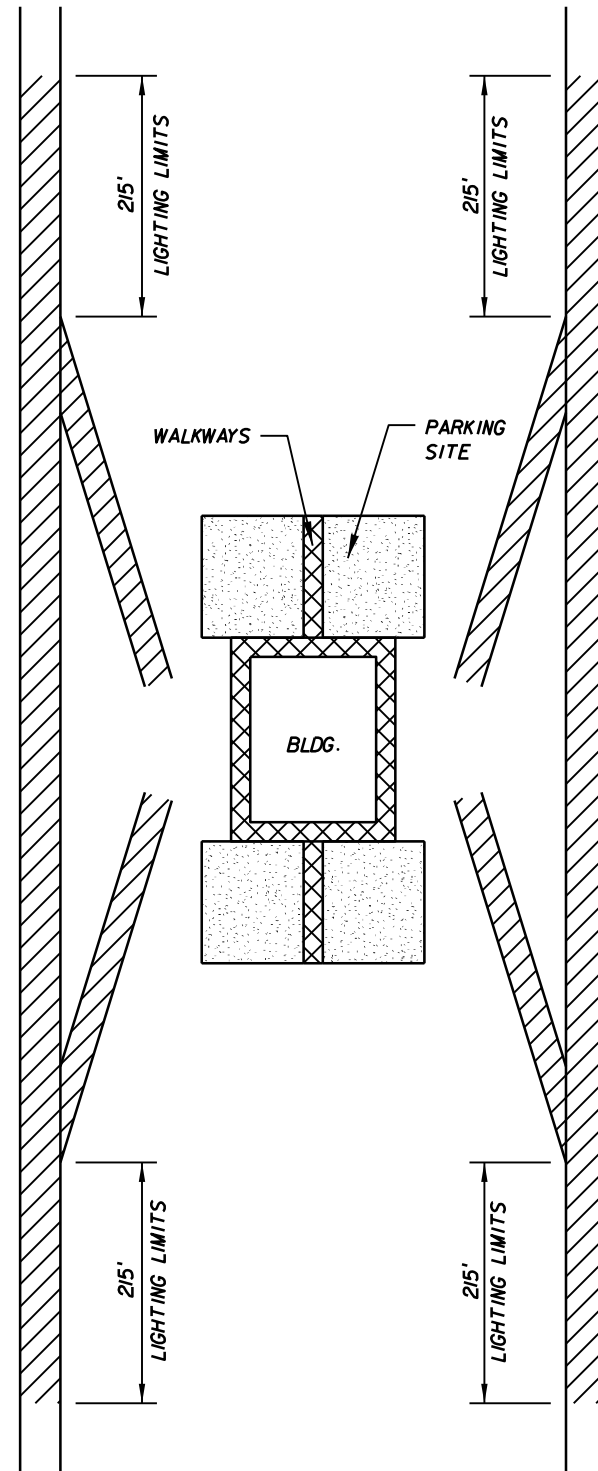


- ① REFER TO TDH, TABLE 231.2.1 FOR ILLUMINATION LEVELS.
- ② LIMITS OF 2.0 AVERAGE INITIAL FOOT-CANDLES ON THE APPROACH AND DEPARTURE OF A RAMP TOLL PLAZA AS PER TABLE 231.2.1. (NOT APPLICABLE FOR AET ONLY PLAZAS)




**NOTES:**

- THE CROSS ROAD LIGHTING LIMITS SHOWN ARE APPLICABLE WHENEVER THE CROSS ROAD IS NOT TO BE ILLUMINATED BEYOND THE INTERCHANGE LIGHTING LIMITS SHOWN.
- THE MAINLINE LIGHTING LIMITS SHOWN ARE APPLICABLE WHENEVER THE MAINLINE IS NOT CONTINUOUSLY ILLUMINATED BEYOND THE INTERCHANGE LIGHTING LIMITS SHOWN.
- PLEASE NOTE THAT IF THE LENGTH OF THE MAINLINE BETWEEN LIGHTED INTERCHANGES IS 0.5 MILES OR LESS, THEN THAT SECTION OF THE MAINLINE WILL BE ILLUMINATED REGARDLESS OF WHAT THAT THE LIGHTING JUSTIFICATION REPORTS INDICATES.

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			INTERCHANGE LIGHTING LIMITS	SHEET NO.  203 (1 OF 1)
DATE	DESCRIPTION	DATE	DESCRIPTION					
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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SERVICE PLAZA LIGHTING LIMITS  
N.T.S.

-  PARKING LOT AND SITE: 1.5 AVERAGE INITIAL FOOT-CANDLES AS PER TDH, TABLE 231.2.1.
-  BLDG. PERIMETER AND WALKWAYS: 2.0 AVERAGE INITIAL FOOT-CANDLES AS PER TDH, TABLE 231.2.1.
-  LIMITS OF 1.7 AVERAGE INITIAL FOOT-CANDLES FOR NON-ILLUMINATED ROADWAYS

- NOTES:
- THE MAINLINE LIGHTING LIMITS SHOWN ARE APPLICABLE WHENEVER THE MAINLINE IS NOT CONTINUOUSLY ILLUMINATED.

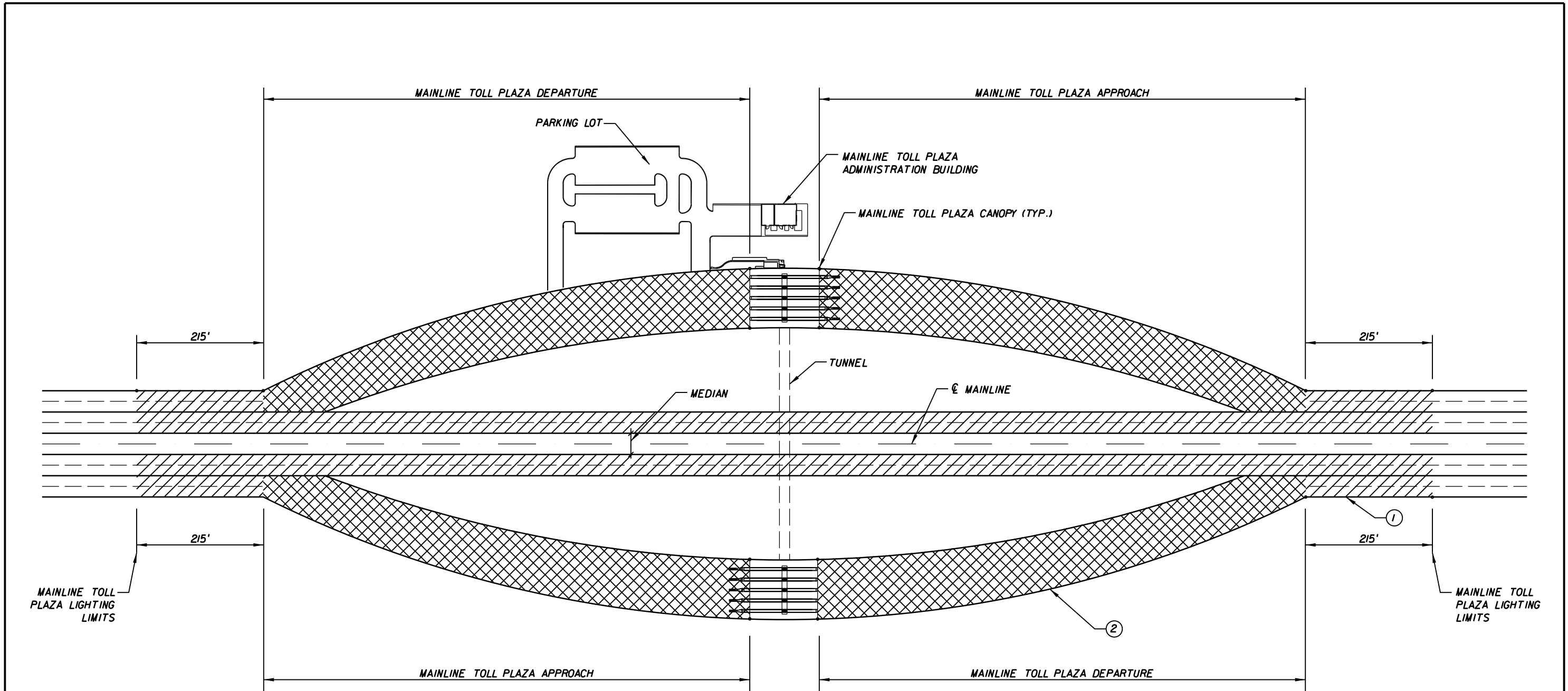
REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SERVICE PLAZA LIGHTING LIMITS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		204 (1 OF 1)

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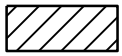
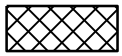
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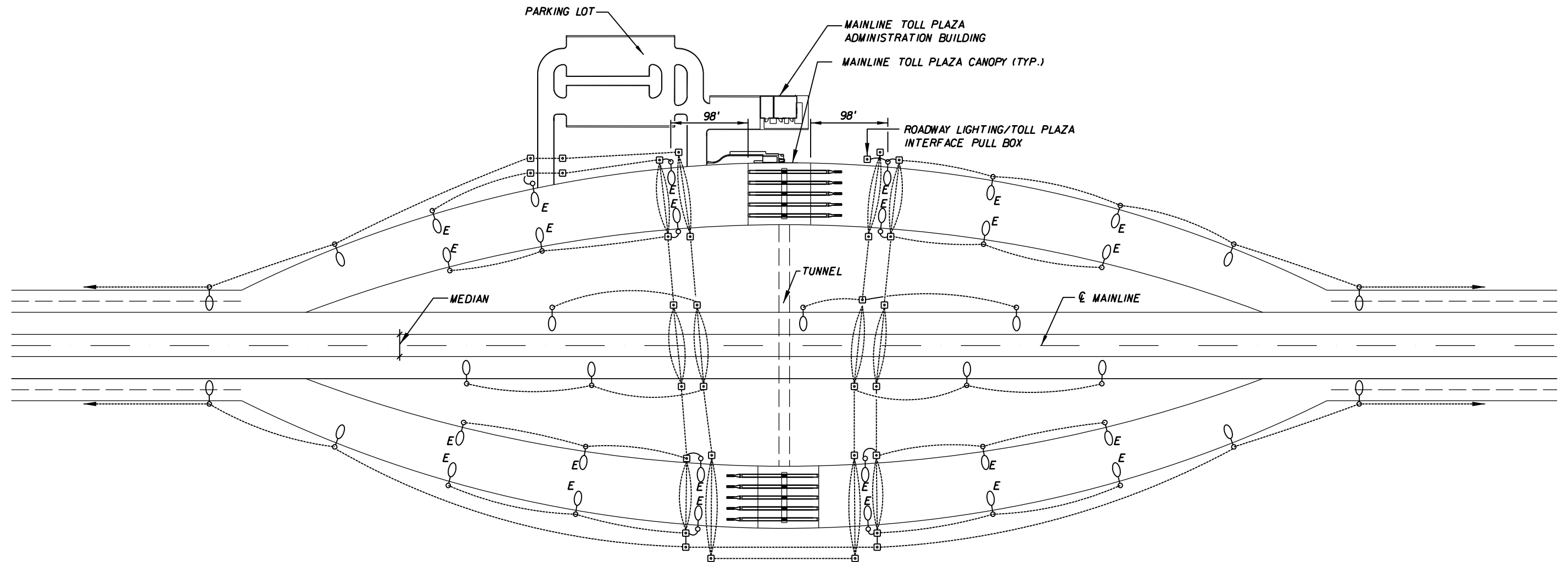
MAINLINE TOLL PLAZA APPROACH AND DEPARTURE LIGHTING LIMITS  
N.T.S.

FOR REFERENCE ONLY  
(NOT APPLICABLE FOR AET ONLY TOLLING)






-  ① REFER TO TDH, TABLE 231.2.1 FOR MAINLINE ILLUMINATION LEVELS.
-  ② LIMITS OF 2.0 AVERAGE INITIAL FOOT-CANDLES ON THE APPROACH AND DEPARTURE OF A RAMP TOLL PLAZA, AS PER TDH, TABLE 231.2.1.

NOTES:  
1. THE MAINLINE LIGHTING LIMITS SHOWN ARE APPLICABLE WHENEVER THE MAINLINE IS NOT CONTINUOUSLY ILLUMINATED.

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			MAINLINE TOLL PLAZA LIGHTING LIMITS	SHEET NO.  205 (1 OF 1)
DATE	DESCRIPTION	DATE	DESCRIPTION					
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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**LEGEND:**

-  ROADWAY LUMINAIRE FED FROM ROADWAY LIGHTING LOAD CENTER
-  ROADWAY LUMINAIRE FED FROM PLAZA STAND-BY GENERATOR PANEL
-  ROADSIDE PULL BOX
-  CONDUIT, UNDERGROUND
-  CONDUIT, UNDERPAVEMENT

**MAINLINE TOLL PLAZA APPROACH AND DEPARTURE LIGHTING LOCATION**  
N.T.S.

FOR REFERENCE ONLY  
(NOT APPLICABLE FOR AET ONLY TOLLING)

**NOTES:**

1. THE EXACT LOCATION OF THE LUMINAIRES SHALL BE AS DICTATED BY THE LIGHTING CALCULATIONS.
2. ROADWAY LIGHTING BRANCH CIRCUIT CONDUITS SHALL NOT BE INSTALLED THROUGH THE TOLL PLAZA ADMINISTRATION BUILDING/TUNNEL AREA.

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			MAINLINE TOLL PLAZA LIGHTING LOCATION	SHEET NO.  206 (1 OF 1)
DATE	DESCRIPTION	DATE	DESCRIPTION					
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		

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