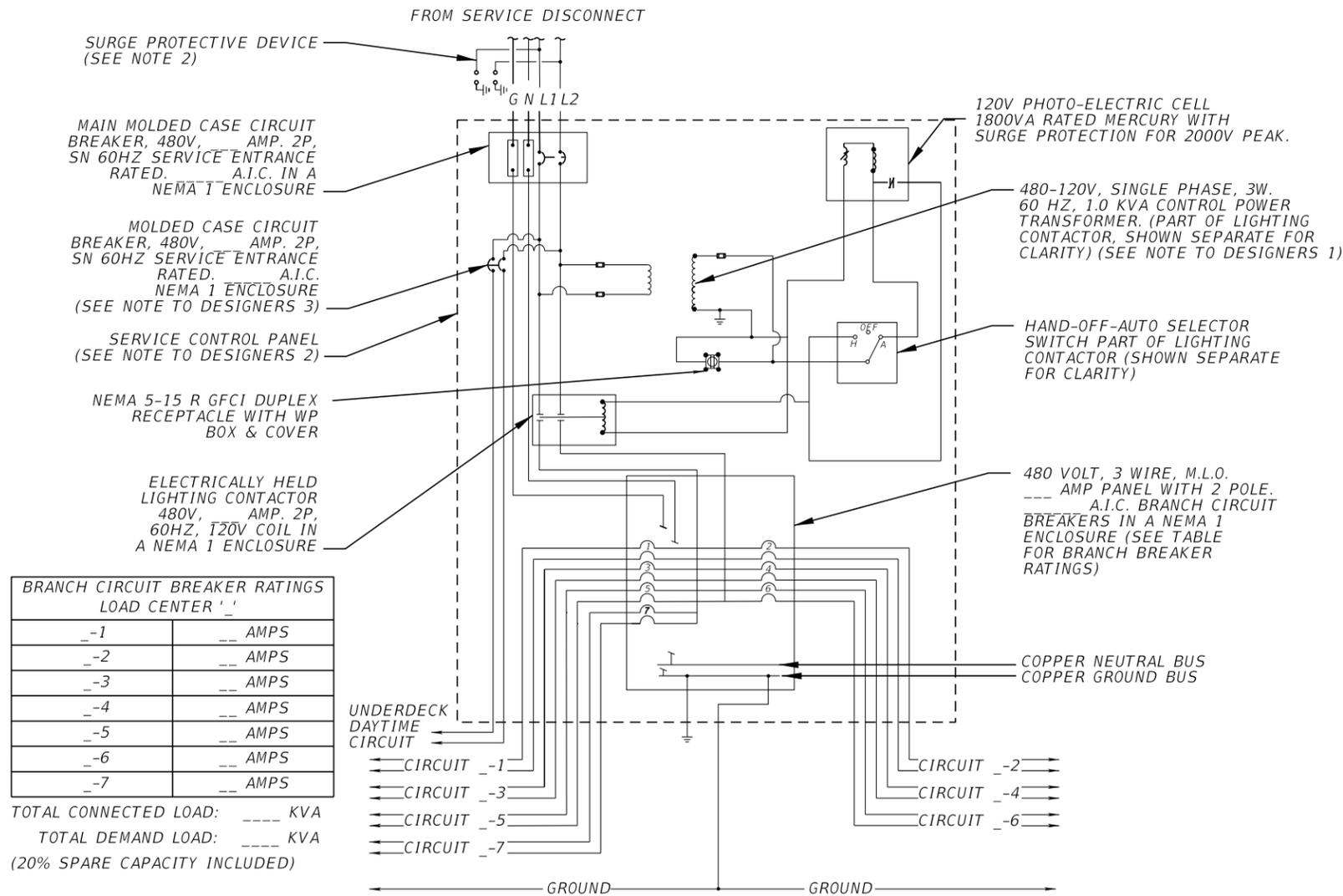




NOTE TO DESIGNERS (NOT TO BE SHOWN ON PROJECT PLANS):

- CONTROL POWER TRANSFORMER FUSE RATING TO BE SHOWN ON THE LOAD CENTER SCHEMATIC DIAGRAM. FUSED PER NEC.
- LOAD CENTER/SERVICE POINTS SHALL BE PROVIDED WITH A MINIMUM OF 20% SPARE CAPACITY.
- BREAKER AND WIRING INSTALLED WHEN DAYTIME LIGHTING CIRCUIT IS REQUIRED.
- CABINET SHALL BE GROUNDED PER NEC AND FDOT STANDARDS. SHOW GROUNDING DETAILS ON LOAD CENTER DETAILS SHEETS.



LOAD CENTER SCHEMATIC DIAGRAM

N.T.S.

NOTES:

- CONTRACTOR SHALL FURNISH ENCLOSURE SIZED FOR THE EQUIPMENT (SEE ENCLOSURE DETAIL THIS SHEET).
- SURGE PROTECTIVE DEVICE (SPD): SPD UNIT SHALL BE WIRED INSIDE THE ENCLOSURE. SPD UNIT SHALL BE MOUNTED ON THE OUTSIDE OF THE ENCLOSURE.
- SHOP DRAWINGS REQUIRED FOR ALL EQUIPMENT ASSOCIATED WITH THE LOAD CENTER.

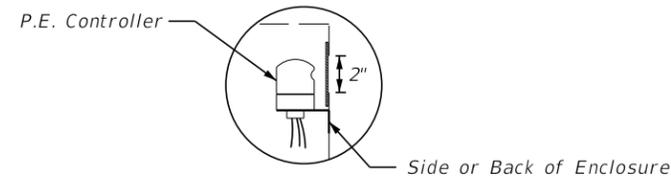
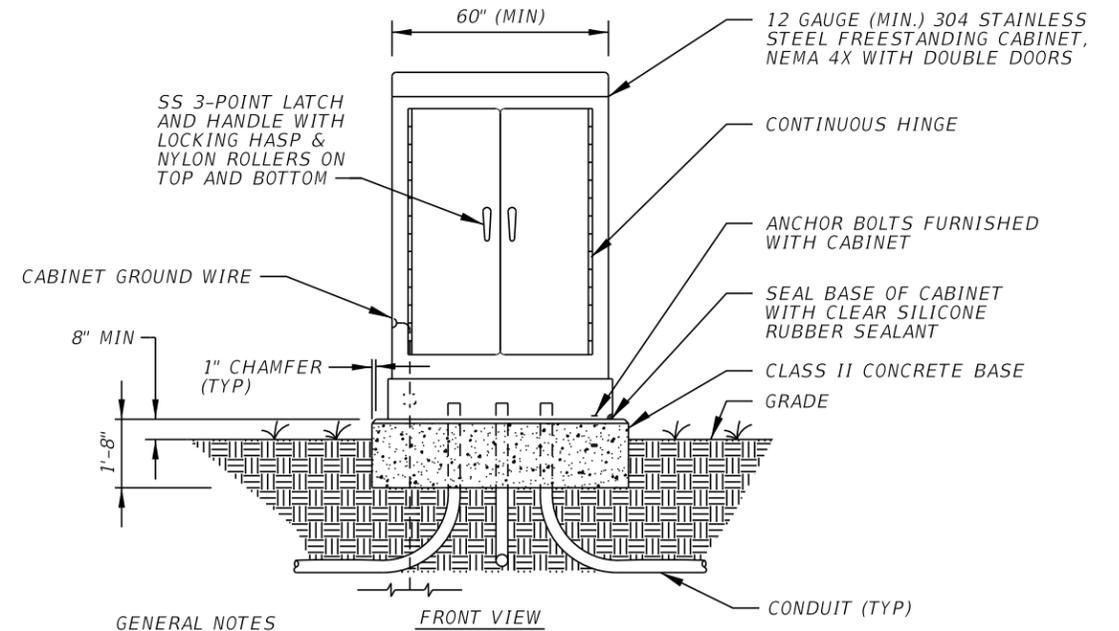
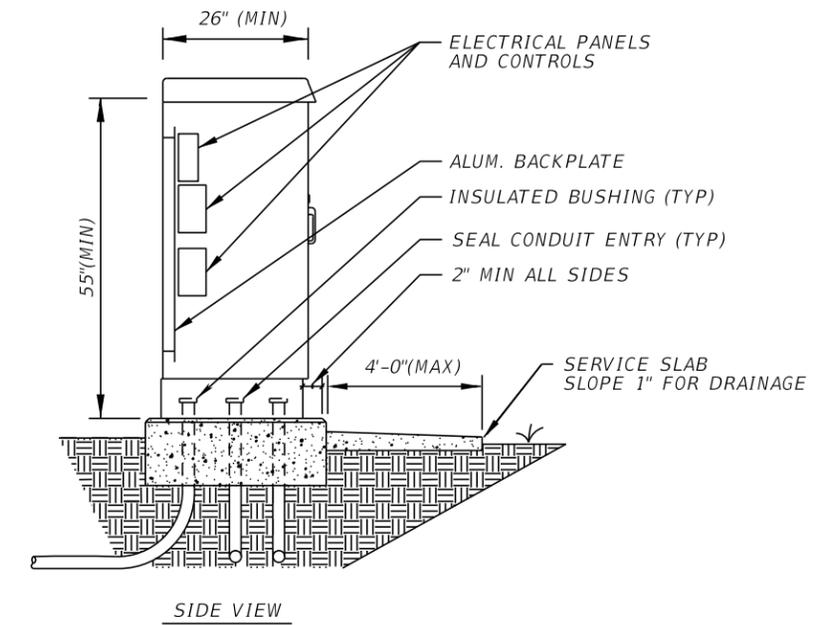


PHOTO ELECTRIC CONTROLLER DETAIL

N.T.S.



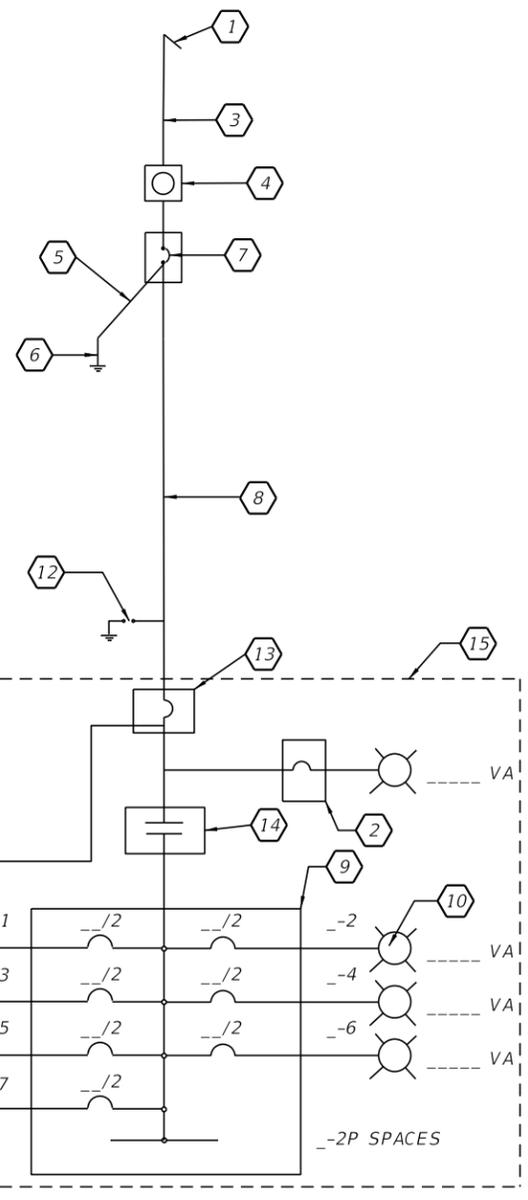
- STUB-OUT ONE (1) SPARE 2" PVC CONDUIT BELOW GRADE AND BEYOND CONCRETE BASE. CAP ENDS AND INDICATE LOCATION OF STUB-OUT INSIDE CABINET



LOAD CENTER ENCLOSURE DETAIL

N.T.S.

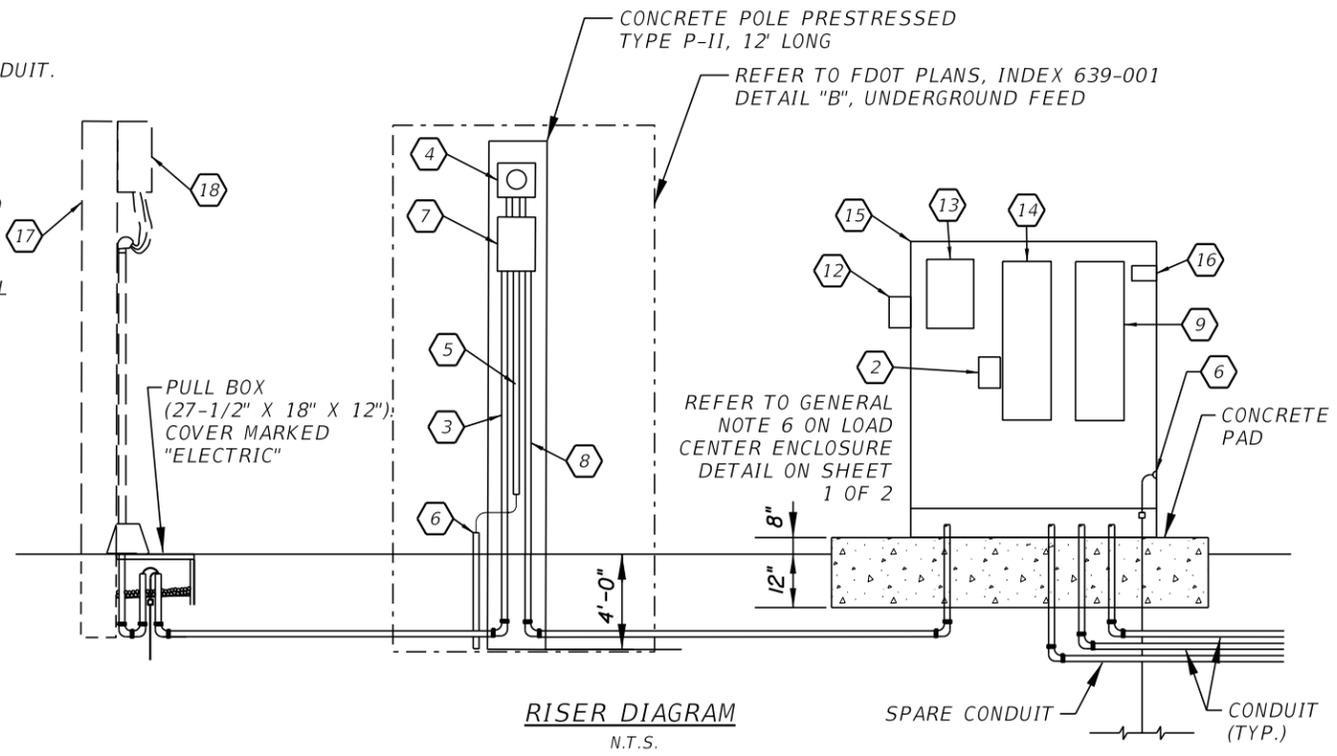
REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			FLORIDA TURNPIKE LOAD CENTER DETAILS	SHEET NO. 202 (1 OF 2)
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		



TOTAL CONNECTED LOAD: \_\_\_\_\_ KVA  
 TOTAL DEMAND LOAD: \_\_\_\_\_ KVA  
**ONE LINE DIAGRAM**  
 N.T.S.

**KEYED NOTES**

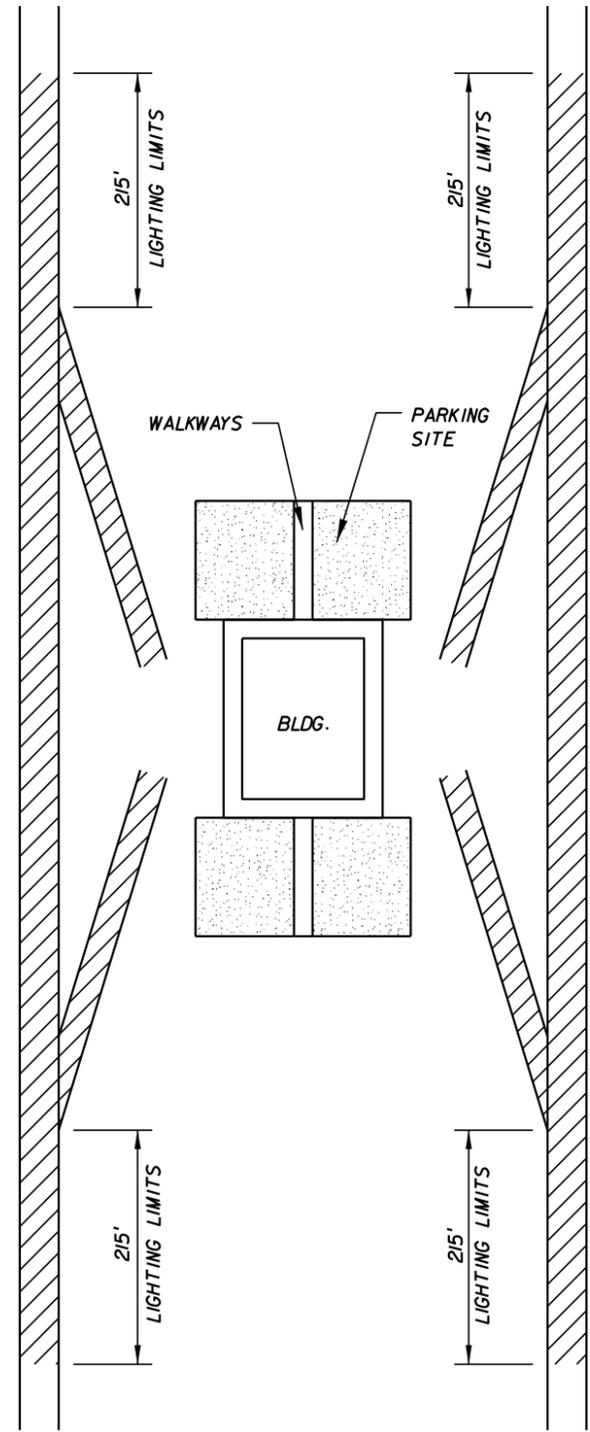
- ① 240/480 V SINGLE PHASE 3-WIRE "LIST POWER COMPANY" ELECTRIC SERVICE. SAFETY SWITCH ON SEVICE SIDE OF METER WHEN REQUIRED BY POWER COMPANY.
- ② 480V, \_\_\_ AMP ENCLOSED BREAKER.
- ③ 2# \_\_\_ AWG & 1\_\_ AWG (N) IN \_" RIGID GALVANIZED STEEL CONDUIT.
- ④ METER AS REQUIRED. HEIGHT SPECIFIED BY POWER COMPANY.
- ⑤ 1# \_\_\_ AWG INSULATED COPPER GROUND WIRE IN 1" RIGID GALVANIZED STEEL CONDUIT.
- ⑥ #6 INSULATED COPPER GROUND WIRE TO COPPER CLAD GROUND ROD, MIN. 5/8" DIA. 40' LONG.
- ⑦ 480V ENCLOSED BREAKER NEMA 3R SERVICE ENTRANCE RATED WITH NEUTRAL AND GROUND KITS. BOND THE SERVICE NEUTRAL TO GROUND.
- ⑧ 2# \_\_\_ AWG, 1# \_\_\_ AWG (N), & 1# \_\_\_ AWG (G) IN \_" RIGID GALVANIZED STEEL CONDUIT.
- ⑨ PANEL BOARD, \_\_\_ AMP, 480V, SINGLE PHASE, 3-WIRE WITH CIRCUIT BREAKERS AND GROUND BAR AS INDICATED.
- ⑩ ROADWAY LUMINAIRE CONNECTED TO CIRCUIT \_-2.
- ⑪ CONTROL TRANSFORMER 1 KVA SINGLE PHASE, 480V PRIMARY 120V SECONDARY.
- ⑫ SURGE PROTECTIVE DEVICE (SPD).
- ⑬ MAIN CIRCUIT BREAKER \_\_\_ AMPS, 2-POLE, 480V, \_\_\_ AIC.
- ⑭ \_\_\_ AMP, 2-POLE, ELECTRICALLY HELD CONTACTOR.
- ⑮ FREE STANDING NEMA 4X STAINLESS STEEL ENCLOSURE WITH TWO DOORS.
- ⑯ PHOTOELECTRIC SWITCH.
- ⑰ "LIST POWER COMPANY" CONCRETE SERVICE POLE.
- ⑱ "LIST POWER COMPANY" TRANSFORMER.



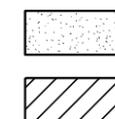
**RISER DIAGRAM**  
 N.T.S.

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





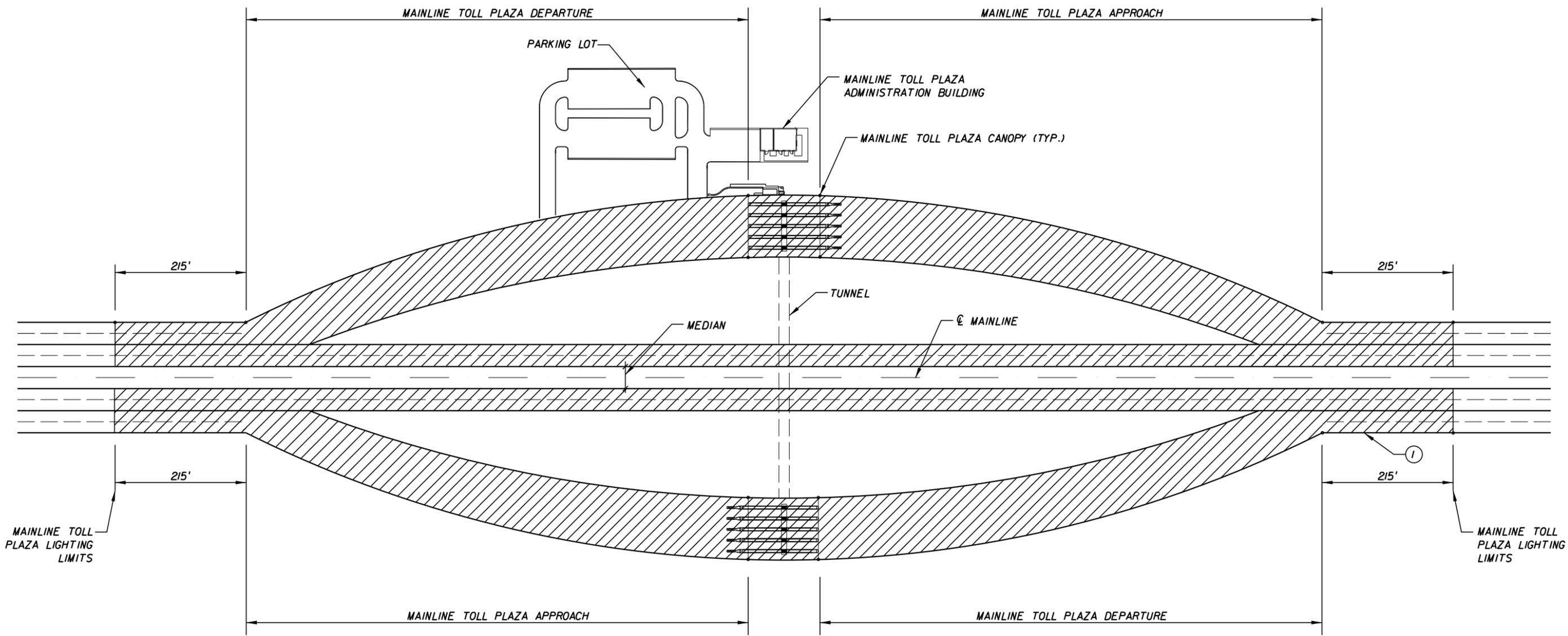
REST AREA LIGHTING LIMITS  
N.T.S.



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

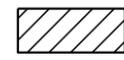
- NOTES:**  
1. THE MAINLINE LIGHTING LIMITS SHOWN ARE APPLICABLE WHENEVER THE MAINLINE IS NOT CONTINUOUSLY ILLUMINATED.

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	REST AREA LIGHTING LIMITS	SHEET NO. 204 (1 OF 1)
DATE	DESCRIPTION	DATE	DESCRIPTION			



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 "LIMITED ACCESS FACILITIES" ILLUMINATION LEVELS.

**NOTES:**

- 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		