LEGEND						
SYMBOLS	ONE LINE DIAGRAM	DESCRIPTION				
•—¢ _(A)	Γ	ALUMINUM LIGHTING POLE 40FT., MOUNTING HEIGHT SINGLE BRACKET, AS PER P.R.E.P.A. AND P.R.H.Y.A. SHOE MCN-BREAKAWAY BASE, LETTER INDICATES LENGTH OF BRACKET.				
(A) (A)	Т	SAME AS ABOVE BUT DOUBLE BRACKET,				
		(A) 4 FT. (C) 12 FT. (B) 8 FT. (D) 15 FT.				
BA (A)	г	SAME AS ABOVE BUT BREAKAWAY TRANSFORMER BASE				
SA 🗘	Г	SPECIAL LIGHTING STANDARD "A"				
28 ◆ ◆	г.	SPECIAL LIGHTING STANDARD "B"				
sc 😝	r	SPECIAL LIGHTING STANDARD °C"				
TA (A)	Γ.	TEMPORARY LIGHTING STANDARD "A" (A) 4 FT., 30' CREOSOTED WOODEN POLE. (B) 8 FT., 30' CREOSOTED WOODEN POLE. (B) 12 FT., 33' CONCRETE OCTAGONAL POLE. (B) 15 FT., 33' CONCRETE OCTAGONAL POLE.				
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	·	HIGH MAST LIGHTING POLE				
• -	Γ	EXISTING LIGHTING POLE TO REMAIN.				
, →		EXISTING LIGHTING POLE TO BE REMOVED.				
PR(1)		EXISTING LIGHTING POLE TO BE RELOCATED. NUMBER INDICATES RELOCATION DESIGNATION.				
(1)	Γ'	REMOVED LIGHTING POLE TO BE INSTALLED. NUMBER INDICATES RELOCATION DESIGNATION.				
ф _(A)	U	UNDERPASS LIGHTING STANDARD				
 (в)	U	BRIDGE FENCE LIGHTING STANDARD				
\(\rightarrow \)	U	PEDESTRIAN BRIDGE LIGHTING STANDARD				
PB(A)		PULL OR SPLICE BOX. SIZE AS INDICATED				
>		NEW POLE MOUNTED SUBSTATION				
₽₁		NEW TRANSCLOSURE SUBSTATION				
		NEW PAD MOUNTED SUBSTATION				
#10 (1)	-gno	SECONDARY LINE, UNDERGROUND 2/C# (AS SHOWN ON DWGS) COPPER, "USE (XLP)" TYPE CONDUCTORS, 600 VOLT INSULATION AND 1/C#B OR AS SHOWN ON DWGS. TW. COPPER, GROUND CONDUCTOR IN 2", NUMBER IN PARENTHERS INDICATES CIRCUIT NUMBER, SEE TRENCH DETAILS.				

DE:	SIGN	1 CR	ITER	1 4
LUMINAIR	ADWAY WIDTH E OVERHANG ITY RATIO	CONSIDERED	AS INDICATE AS INDICATE 3:1	
LÜ	MIN	AIRE		
ENCLOSU	RE TYPE	"COBRA"		
DISTRIBUT	TON TYPE	TYPE III TYPE I, II, IV OR V WHEN INDICATED ON DRAWINGS.		
BALLAST		CAPACITY— 200 W. TYPE— REGULATOR P.F.— 98% MOUNTING— BUILT IN		
VOLTAGE		120 V. FOR 100 WATTS. 240 V. FOR 200 WATTS.		
SU	BST	A_TIO	N	
TYPE, AS	INDICATED.	POLE MOUNTED. TRANSCLOSURE. PAD MOUNTED.		
PRIMARY	VOLTAGE	AS INDICATED BY P.R.E.P.A.		
SECONDAI	RY VOLTAGE	120 V. FOR 100 WATTS. 240 V. FOR 200 WATTS.		
MAX. VOL	TAGE DROP.	3%, AT END OF CIRCUIT.		
I L, l		NAT		
TYPE	URBAN	INTERMEDIATE	RURAL	
MAJOR	2.0	1.2	0.9	
COLLECTOR	1.2	0.9	0.6	
LOCAL	0.9	0.6	0.2	
ΕX	PRE	SSW	AYS	
CONTI	NUOUS	INTERCHANGE		
URBAN	RLIRAL	URBAN	RURAL	
1.4	1.0	2.0	1.4	

UNLESS OTHERWISE INDICATED ALL DIMENSIONS ARE IN MILLIMETERS (") FOR FICHES, 2" (TWO INCHES)
(") FOR FEET, 1"-6" (ONE FOOT-SIX INCHES)
(m) FOR METERS 3.5m (3.5 METERS)

GENERAL NOTES

- ALL THE INSTALLATION SHALL BE MADE ACCORDING TO THE APPLICABLE CONSTRUCTION STANDARDS OF P.R.E.P.A.
- 2. ALL WORK ON EXISTING LINES SHALL BE DONE BY P.R.E.P.A.
 AT OWNER'S EXPENSE.
- 3. PROVIDE ELECTRICAL 6" WIDE YELLOW WARNING RIBBON FOR UNDERGROUND CABLES, INSTALL OVER ALL UNDERGROUND CABLES AND DUCTS AT 12" DEEP, TAPE SHALL BE PERMANENTLY PRINTED WITH CONTINUOUS BLACK LETTER 1-1/4"x5/8" WITH THE WORDS "PELIGRO-PELIGRO-PELIGRO" ETC. ON THE TOP AND "LINEAS ELECTRICAS DEBAJO" ON 90TTOM.
- 4. UNDER PAVED AREAS, SIDEWALKS AND WHERE ELECTRIC CON-DUITS CROSSES GAS, SEWAGE AND OTHER UTILITY FACILITIES, THE CONDUITS SHALL BE ENCASED IN 3" CONCRETE ENVELOPE.
- 5. GROUND SYSTEM FOR LIGHTING POLES AND TRANSFORMERS UNIT SHALL HAVE MAXIMOM RESISTANCE OF TEN(10) OHMS. CONTRACTOR SHALL VERIFY THIS CONDITION IN THE FIELD.
- 6. STRANDED COPPER CABLE WITH THE INDICATED INSULATION IN THE LEGEND SHALL BE USED.
- 7. CABLE WILL RUN BETWEEN TERMINAL POINTS WITHOUT SPUCES.
- 8. ENDORSEMENT BY P.R.E.P.A. DOES NOT INCLUDES STRUCTURAL AND FOUNDATION DETAILS.
- CONTRACTOR SHALL NOTIFY P.R.E.P.A. PREVIOUS TO THE BEGINNING OF ELECTRICAL WORK FOR PROPER INSPECTION, APPROVAL AND COORDINATION.
- CONTRACTOR SHALL LEAVE IN PERFECT WORKING CONDITIONS
 THE ELECTRICAL SYSTEM, AND IS RESPONSIBLE FOR ANY
 DEFECTS FOUND WHEN THE SERVICE IS CONNECTED.
- 11. ALL ELEVATIONS ARE REFERRED TO MEAN SEA LEVEL AND GIVEN IN METERS.
- 12. ELECTRICAL EQUIP., MATERIALS & CONSTRUCTION SHALL CONFORM TO ANS, NEMA, N.E.C. & P.R.E.P.A. STOS.
- 13. ALL CONSTRUCTION WORK SHALL BE DONE IN A THOROUGH AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS, AND CONSTRUCTION DRAWINGS. THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE SHALL BE FOLLOWED EXCEPT WHERE LOCAL REGULATIONS ARE MORE STRINGENT, IN WHICH CASE, LOCAL REGULATIONS SHALL

- 14. ALL EXISTING SERVICE WHICH IS INTERRUPTED DUE TO RELOCATION OR REMOVAL OF LINES WILL BE REESTABLISHED AT CONTRACTOR'S EXPENSE.
- 15. P.R.E.P.A. WILL NOT ASSUME THE MAINTENANCE OF LUMINAIRES LOCATED ON METERED
- THE APPROVAL OF THESE DRAWINGS IS ON CONDITION THAT THE LOCAL MUNICIPAL AUTHORITY ACCEPTS (BEFORE CONSTRUCTION START) TO PAY THE P.R.E.P.A. FOR THE MAINTENANCE AND CONSUMPTION RATE OF THE NON-METERED LUMINAIRES.
- P.R.E.P.A. WILL NOT BE LIABLE FOR ANY CHANGE. DURING CONSTRUCTION DUE TO FIELD CONDITIONS.
- 18. THE CONTRACTOR IS RESPONSIBLE TO VERIEY PRIOR THE INSTALLATION OF THE ELECTRICAL UNDERGROUND COMDUITS ANY INTERPERENCE WITH THE EXISTING UTILITIES (TELEPHONE, WATER, ETC.) BURIED IN THE AREA.
- 19. EXISTING CIRCUITS (SERIES OR MULTIPLE) FOR LUMINARES TO REMAIN SHALL BE LEFT IN GOOD WORKING CONDITIONS. MODIFICATIONS TO COMPLY WITH THIS DIRECTIVE SHALL BE COORDINATED DURING PROJECT CONSTRUCTION WITH P.R.E.P.A. INSPECTION PERSONNEL.
- 20. ALL METALLIC POLES, LUMINAIRES, JUNCTION BOXES AND METALLIC ENCLOSURES SHALL BE GROUNDED.
- 21. ANY RELOCATION SHALL BE EQUAL OR BETTER THAN THE EXISTING ONE AND IN ACCORD WITH THE LATEST APPLICABLE STANDARDS.
- UNLESS OTHERWISE INDICATED ALL UGHTING STANDARDS INCLUDES CONNECTION TO ONE PULL BOX AS A SUBSIDIARY OBLIGATION.

EFFECTIVE DATE: JUNE 1996

COMMONWEALTH OF PUERTO RICO DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY AND TRANSPORTATION AUTHORITY
RECOMMENDED BY

STANDARD LEGEND, NOTES & DESIGN CRITERIA

EXECUTIVE DIRECTOR APPROVED BY: APPROVED SILE SILE/4C ON ADM. FHNA-PR DIVISION BATE:

LS

BY REVISION DATE STD. DWG. OF 17