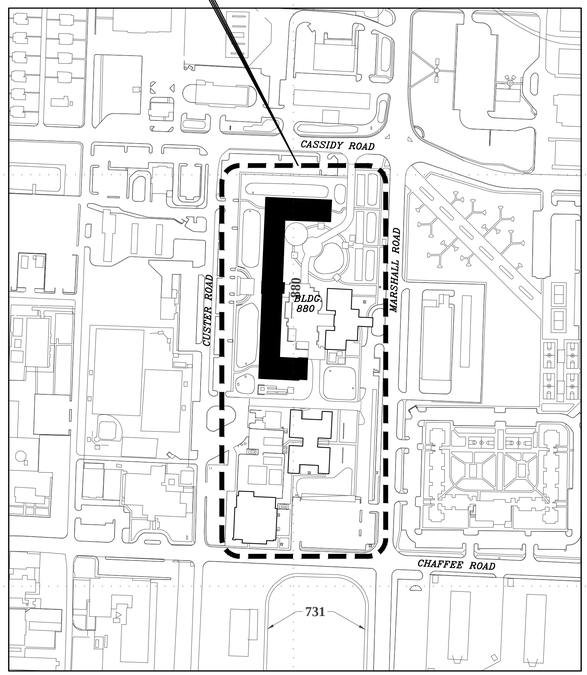
FORT BLISS, TEXAS
BLDG. 880
PARKING LOT LIGHTING

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	NEW LIGHTING SITE PLAN
3	NEW LIGHTING SITE PLAN
4	DETAILS & SCHEDULES
5	DETAIL & SCHEDULES

PROJECT LOCATION



N

PROJECT LOCATION MAP
NOT TO SCALE

CONCURRENCES

USING AGENCY	DATE
FIRE DEPARTMENT	DATE
SAFETY OFFICER	DATE
PHYSICAL SECURITY OFFICER	DATE
INDUSTRIAL HYGIENE	DATE
NEC	DATE
ENVIRONMENTAL DIVISION	DATE
ANTI-TERRORISM/FORCE PROTECTION	DATE
MASTER PLANNING DIVISION	DATE
OPERATIONS & MAINTENANCE DIVISION	DATE

NOTES:
SIGNATURES INDICATE THAT THOSE SIGNING HAVE REVIEWED PROJECT PLANS AND SPECIFICATIONS AND ARE IN CONCURRENCE WITH THEM.

APPROVED BY: _____
CHIEF, DESIGN BRANCH, ESD, DPW

APPROVED BY: _____
CHIEF, ENGINEERING SERVICES DIVISION, DPW

MARK	DESCRIPTION	DATE

DESIGNED BY: C.P.
DRAWN BY: R.V.
REVIEWED BY: C.P.
DATE: JUNE 25, 2019
W.O. # FE-10578-7P FE-10581-7P
SPEC. #
SCALE: AS SHOWN

DIRECTORATE OF PUBLIC WORKS
FORT BLISS, TEXAS

FORT BLISS DPW

BLDG. 880
PARKING LOT LIGHTING
COVER SHEET

SHEET NUMBER:
1 OF 5

GENERAL NOTES

1. LABEL ALL ELECTRICAL EQUIPMENT AS PER NEC. LABEL NEW PANEL/ENCLOSURES WITH SELF–ADHESIVE–BACKED LAMINATED PLASTIC LABELS. PANEL LABELS SHALL INDICATE NAME, VOLTAGE, AMPS AND PHASES. LABELS SHALL ALSO INDICATE ORIGIN OF CIRCUIT. PANEL LABELS LETTERING SHALL BE WHITE ON BLACK BACKGROUND WITH 0.25 INCH LETTERING. LABEL LIGHT FIXTURES WITH SELF ADHESIVE–BACKED LABELS VISABLE FROM THE GROUND. LABELS SHALL INDICATE WATTAGE AND LAMP TYPE (LED). LABEL POLES WITH BUILDING NUMBER, PANEL AND CIRCUIT ABOVE THE HANDHOLE. UPDATE ANY PANEL SCHEDULES WITH CHANGES.

2. UNDERGROUND ELECTRICAL SHALL BE MARKED WITH RED MAGNETIC/METALLIC MARKING TAPE. WARNING TAPE SHALL BE ACID RESISTANDT POLYETHYLENE FILM 6" WIDE BY .004" THICK. TAPE SHALL BE PLACED 12" BELOW GRADE ABOVE UNDERGROUND CIRCUITS. UNDERGROUND CONDUIT SHALL BE SCHEDULE 80 PVC AND EXPOSED (ABOVE GROUND) CONDUIT AND UNDERGROUND ELBOWS SHALL BE PLASTIC COATED RGS.

3. UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE FOR THE CONTRACTOR'S CONVENIENCE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES AND SUBSTRUCTURES WEATHER SHOWN ON DRAWINGS OR NOT AND PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL OBTAIN A DIG PERMIT BEFORE ANY EXCAVATION.

4. COORDINATE LOCATION OF CIRCUITS AND POLE BASES WITH OTHER UNDERGROUND UTILITIES.

5. SEAL ALL UNDERGROUND CONDUIT WITH CONDUIT SEALING COMPOUND AFTER WIRE IS PULLED AND TESTED. SPLICES SHALL BE MADE ONLY IN PULL BOXES AND ONLY IF REQUIRED. SPLICE SHALL BE INSULATED WITH A HEAVY WALL HEAT SHRINK TUBING (UL LISTED 600 VOLTS) EXTENDING 2" ON BOTH SIDES OF THE SPLICE. USE SPLIT BOLT CONNECTORS AND WRAP WIRE WITH HEAT SHRINK TAPE FILLER (1/4" PAST END OF TUBING) OR GELCAPS (UL LISTED 600 VOLTS) TO PROVIDE A WATERTIGHT SEAL.

6. SAWCUT EXISTING ASPHALT/CONCRETE TO INSTALL NEW CIRCUITS AND POLES. DISPOSE OF ASPHALT/CONCRETE MATERIAL. INSTALL ASPHALT/ CONCRETE TO RESTORE AREA TO ITS ORIGINAL CONDITION.

7. IN AREAS CIRCUITS RUN UNDER LANDSCAPE, CONTRACTOR SHALL REMOVE ROCK AND UNDERLAYMENT. RESTORE LANDSCAPE TO ITS ORIGINAL CONDITION TO INCLUDE NEW UNDERLAYMENT; MINIMUM 6 MIL PLASTIC. ROCK SHALL BE FREE OF DIRT AND ANY OTHER FOREIGN MATERIAL. RELOCATE SPRINKLER SYSTEM COMPONENTS AS NECESSARY FOR LIGHT/CIRCUIT INSTALLATION. REPAIR ANY SPRINKLER SYSTEM DAMAGE CAUSED BY LIGHT/CIRUIT INSTALLATION.

8. TRENCHES SHALL NOT BE LEFT OPEN OVER NIGHT. IF A TRENCH MUST BE LEFT OPEN, IT SHALL BE COVERED BY A 1" STEEL PLATE.

9. SEAL AROUND ALL CONDUIT PENETRATIONS IN WALLS, CEILING, AND FLOORS TO RESTORE SURFACE AND FIRE RATING. CONDUIT SHALL BE RUN TO THE MAXIMUM EXTENT POSSIBLE INSIDE OF THE BUILDING (CONCEALED; EXPOSED ONLY WITHIN ELECTRICAL/MECHANICAL ROOMS). TRANSITION TO THE EXTERIOR SHALL BE MADE AT MAXIMUM 6" AFF/FOUNDATION.

10. PROVIDE BONDING AND GROUNDING TO ALL NON–CURRENT CARRYING METAL PARTS OF PANEL SUPPORT PEDESTAL. ATTACH BONDING #6 JUMPERS WITH ¼–20 MACHINE SCREWS.

11. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70, NATIONAL ELECTRICAL CODE (NEC), AND AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) C2, NATIONAL ELECTRICAL SAFETY CODE (NESC).

KEYED NOTES

BUILDING 801 PARKING:

1. COORDINATE WITH RIO GRANDE ELECTRIC COOP (RGEC) AND REPLACE EXISTING WIRE FOR "CHAFFEE STREET LIGHTING" DISCONNECT WITH 4 – # 4 XHHW–2 CU WIRE FROM DISCONNECT TO TRANSFORMER. PROVIDE TERMINAL LUGS AS PER RGEC. TEST GROUND ELECTRODE RESISTANCE AND PROVIDE TEST RESULTS. IF RESISTANCE TO EARTH IN NOT 25 OHMS OR LESS, PROVIDE A SUPPLEMENTAL ELECTRODE AS PER NEC, TEST AND PROVIDE TEST RESULTS.
2. INSTALL NEW 60 AMP DUAL ELEMENT TIME DELAY UL CLASS RK5 FUSES IN "CHAFFEE STREET LIGHTING" SERVICE DISCONNECT SWITCH.
3. INSTALL NEW LIGHTING SERVICE PANEL "LP1". CONNECT THROUGH EXISTING "CHAFFEE STREET LIGHTING" DISCONNECT SWITCH USING 4 – #4 AND 1 – #8 GROUND THHW CU CONDUCTORS. CONNECT EXISTING CHAFFEE STREET LIGHT CIRCUITS TO THE NEW PANEL THROUGH A NEW 40 AMP 3–POLE CIRCUIT BREAKER.
4. RUN NEW LIGHTING CIRCUIT USING 2 – #8 THHW PHASE CU CONDUCTORS AND 1 – #8 THHW GROUND CU CONDUCTOR IN 1–1/4" CONDUIT. PROTECT CIRCUIT IN PANEL "LP1" USING A 20 AMP 2–POLE BREAKER.
5. LIGHTING CIRCUIT SHALL BE RUN THROUGH A NEW 4–POLE LIGHTING CONTACTOR WITH 20 AMP CONTACTS, 250 VOLT RATING AND 120 VOLT ELECTRONICALLY HELD COIL. CONTACTOR SHALL BE CONTROLLED BY PHOTO CELL. THE ENCLOSURE SHALL BE NEMA 3R FOR EXTERIOR INSTALLATION.
6. REMOVE EXISTING CIRCUIT, LIGHT POLE AND BASE.

BUILDING 807 WALKWAY:

7. RUN NEW LIGHTING CIRCUIT USING 2 – #8 THHW CU CONDUCTORS AND 1 – #8 THHW GROUND CU CONDUCTOR IN 1–1/4" CONDUIT. PROTECT CIRCUIT IN PANEL "H1" USING A 20 AMP 2–POLE BREAKER; MATCH PANEL SCCR.
8. LIGHTING CIRCUIT SHALL BE RUN THROUGH A NEW 4–POLE LIGHTING CONTACTOR WITH 20 AMP CONTACTS, 250 VOLT RATING AND 120 VOLT ELECTRONICALLY HELD COIL. CONTACTOR SHALL BE CONTROLLED BY PHOTO CELL. THE ENCLOSURE SHALL BE NEMA 3R FOR EXTERIOR INSTALLATION AND NEMA 1 FOR INTERIOR INSTALLATION.

BUILDING 887 WALKWAY:

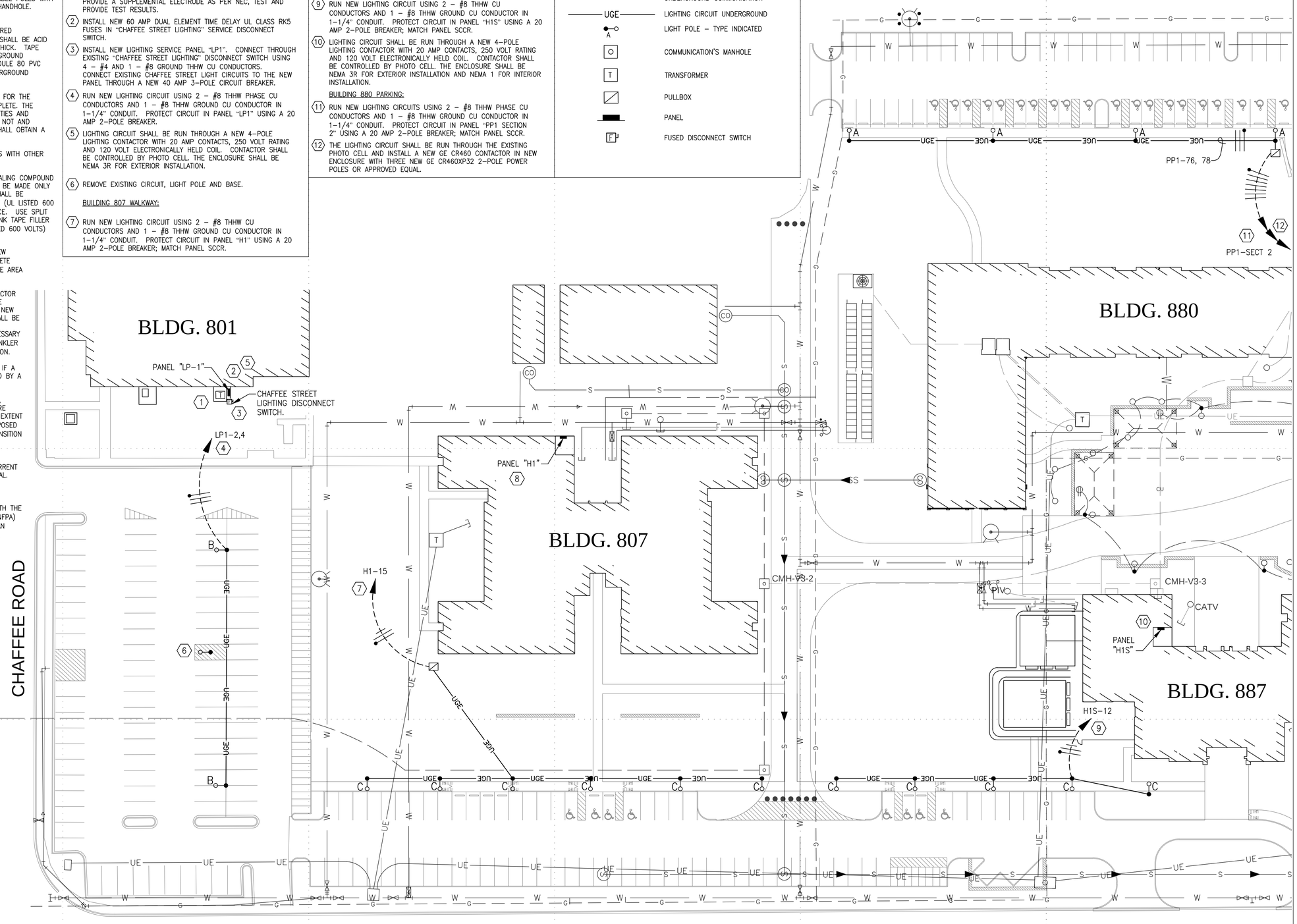
9. RUN NEW LIGHTING CIRCUIT USING 2 – #8 THHW CU CONDUCTORS AND 1 – #8 THHW GROUND CU CONDUCTOR IN 1–1/4" CONDUIT. PROTECT CIRCUIT IN PANEL "H1S" USING A 20 AMP 2–POLE BREAKER; MATCH PANEL SCCR.
10. LIGHTING CIRCUIT SHALL BE RUN THROUGH A NEW 4–POLE LIGHTING CONTACTOR WITH 20 AMP CONTACTS, 250 VOLT RATING AND 120 VOLT ELECTRONICALLY HELD COIL. CONTACTOR SHALL BE CONTROLLED BY PHOTO CELL. THE ENCLOSURE SHALL BE NEMA 3R FOR EXTERIOR INSTALLATION AND NEMA 1 FOR INTERIOR INSTALLATION.

BUILDING 880 PARKING:

11. RUN NEW LIGHTING CIRCUITS USING 2 – #8 THHW PHASE CU CONDUCTORS AND 1 – #8 THHW GROUND CU CONDUCTOR IN 1–1/4" CONDUIT. PROTECT CIRCUIT IN PANEL "PP1 SECTION 2" USING A 20 AMP 2–POLE BREAKER; MATCH PANEL SCCR.
12. THE LIGHTING CIRCUIT SHALL BE RUN THROUGH THE EXISTING PHOTO CELL AND INSTALL A NEW GE CR460 CONTACTOR IN NEW ENCLOSURE WITH THREE NEW GE CR460XP32 2–POLE POWER POLES OR APPROVED EQUAL.

LEGEND

W	WATER LINE
UE	UNDERGROUND ELECTRIC PRIMARY
G	NATURAL GAS MAIN LINE
S	SANITARY SEWER LINE
– – – – – –	UNDERGROUND COMMUNICATION
UGE	LIGHTING CIRCUIT UNDERGROUND
A	LIGHT POLE – TYPE INDICATED
CO	COMMUNICATION'S MANHOLE
T	TRANSFORMER
	PULLBOX
	PANEL
F	FUSED DISCONNECT SWITCH



N

1 NEW LIGHTING SITE PLAN
SCALE: 1"=30'–0"

MARK	DESCRIPTION	DATE

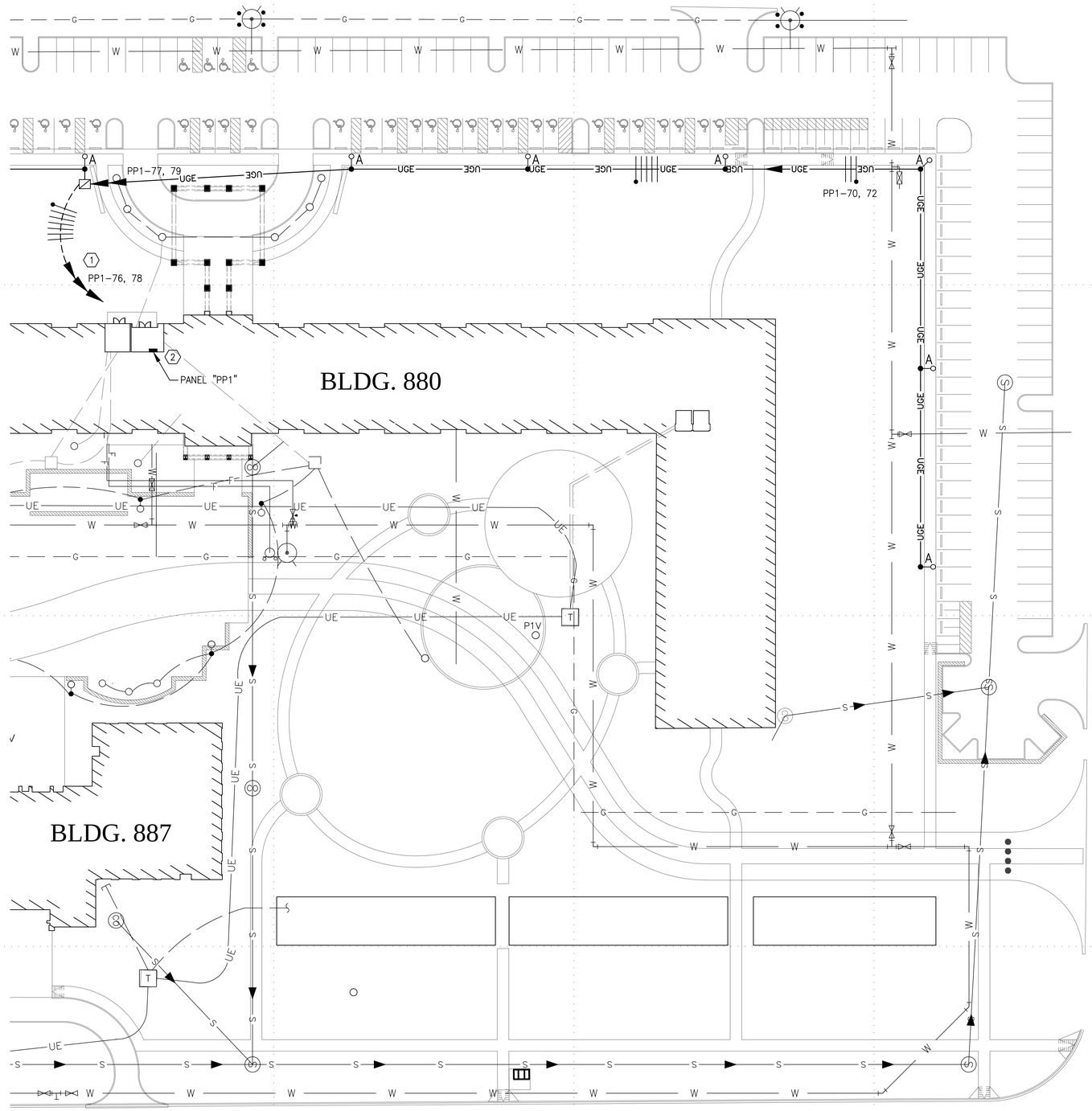
DESIGNED BY: C.P.
DRAWN BY: R.V.
REVIEWED BY: C.P
SCALE: AS SHOWN
DATE: JUNE 25, 2019
W.O. # FE–10578–7P FE–10581–7P
SPEC. #

DIRECTORATE OF PUBLIC WORKS
FORT BLISS, TEXAS

FORT BLISS DPW

BLDG. 880
PARKING LOT LIGHTING
NEW LIGHTING SITE PLAN

SHEET NUMBER:
E–100
2 OF 5



1 NEW LIGHTING SITE PLAN
SCALE: 1"=30'-0"

KEYED NOTES

BUILDING 880 PARKING:

1. RUN NEW LIGHTING CIRCUITS USING 2 – #8 THHW PHASE CU CONDUCTORS AND 1 – #8 THHW GROUND CU CONDUCTOR IN 1-1/4" CONDUIT. PROTECT CIRCUIT IN PANEL "PP1 SECTION 2" USING A 20 AMP 2-POLE BREAKER; MATCH PANEL SCCR.
2. THE LIGHTING CIRCUIT SHALL BE RUN THROUGH THE EXISTING PHOTO CELL AND INSTALL A NEW GE CR460 CONTACTOR IN NEW ENCLOSURE WITH THREE NEW GE CR460XP32 2-POLE POWER POLES OR APPROVED EQUAL.

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10. PROVIDE BONDING AND GROUNDING TO ALL NON-CURRENT CARRYING METAL PARTS OF PANEL SUPPORT PEDESTAL. ATTACH BONDING #6 JUMPERS WITH ¼-20 MACHINE SCREWS.
11. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70, NATIONAL ELECTRICAL CODE (NEC), AND AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) C2, NATIONAL ELECTRICAL SAFETY CODE (NESC).

LEGEND

- W — WATER LINE
- UE — UNDERGROUND ELECTRIC PRIMARY
- G — NATURAL GAS MAIN LINE
- S — SANITARY SEWER LINE
- UNDERGROUND COMMUNICATION
- UGE — LIGHTING CIRCUIT UNDERGROUND
- A — LIGHT POLE – TYPE INDICATED
- COMMUNICATION'S MANHOLE
- T — TRANSFORMER
- PULLBOX
- PANEL
- F — FUSED DISCONNECT SWITCH

MARK	DESCRIPTION	DATE

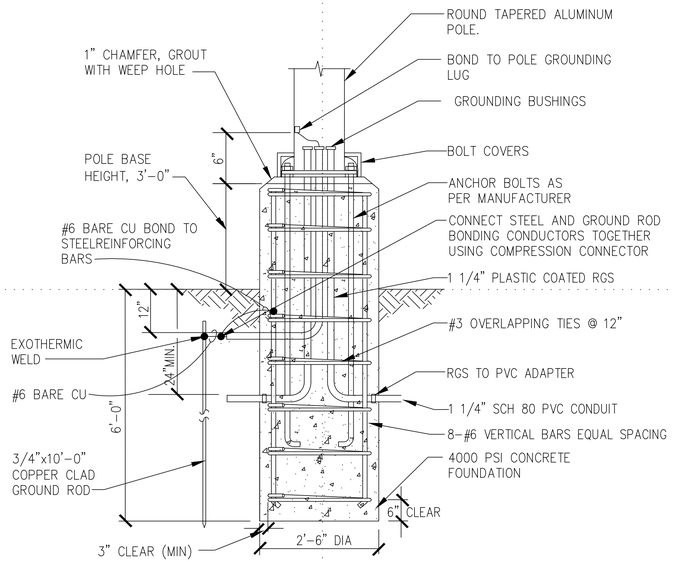
DESIGNED BY: C.P. | DRAWN BY: R.V. | REVIEWED BY: C.P | SCALE: AS SHOWN
DATE: JUNE 25, 2019 | W.O. # FE-10578-7P FE-10581-7P | SPEC. #

DIRECTORATE OF PUBLIC WORKS
FORT BLISS, TEXAS

FORT BLISS DPW

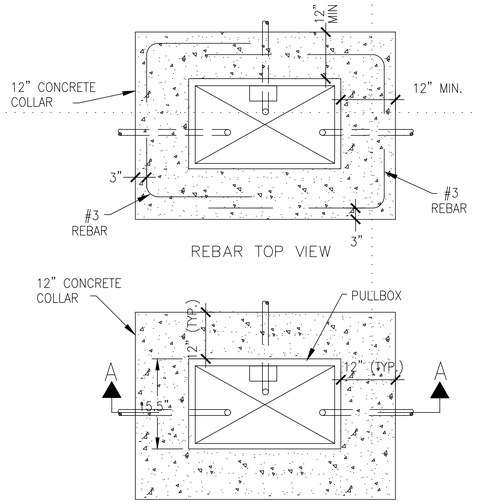
BLDG. 880
PARKING LOT LIGHTING
NEW LIGHTING SITE PLAN

SHEET NUMBER:
E-101
3 OF 5



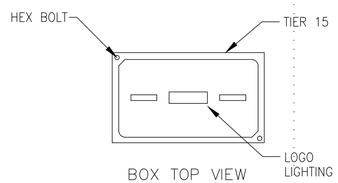
POLE BASE DETAIL – FIXTURE TYPE A & B

NOT TO SCALE

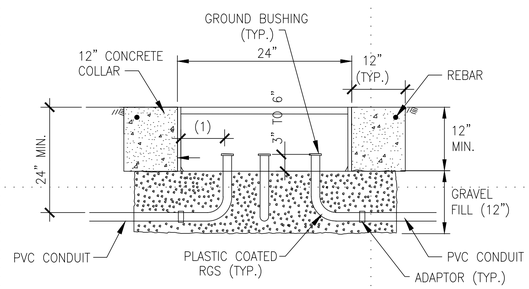


REBAR TOP VIEW

PLAN VIEW



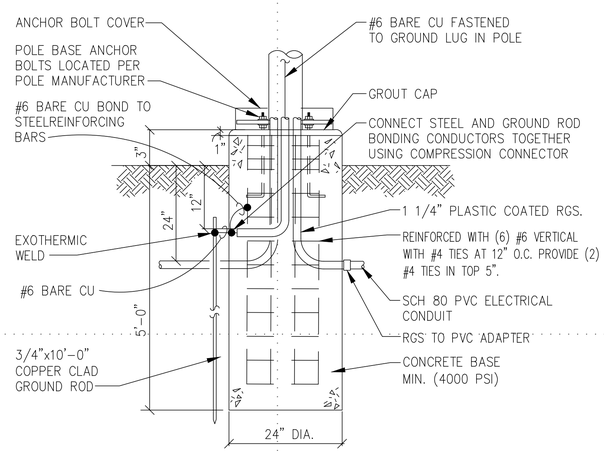
BOX TOP VIEW



FRONT SECTION A–A

PULLBOX DETAILS

NOT TO SCALE



POLE BASE DETAIL – FIXTURE TYPE C

NOT TO SCALE

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	POLE
A	LITHONIA - DSX1 LED P7 30K T4M 208 RPA PIRH HS DDBXD OR APPROVED EQUAL	RTA 25 7E DDBXD OR APPROVED EQUAL
B	LITHONIA - DSX2 LED P8 30K T5W 208 RPA PIRH DDBXD OR APPROVED EQUAL	RTA 30 8G DDBXD OR APPROVED EQUAL
C	HADCO - VL72-42-G2-H-3-H-W-A-5 OR APPROVED EQUAL	P2540-12-H OR APPROVED EQUAL

Notes:
1. Verify that light fixtures mounting is compatible with poles

Building 807 Electrical Room 110: Panel H1: 480/277 Wye 100 amp mains, 3-phase 4-wire, 30 circuit capacity, 25K AIC, MLO, Eaton/Cutler-Hammer

Load Served	Circuit No.	Breaker Amps/pole	Phase Load A		Phase Load B		Phase Load C		Breaker Amps/pole	Circuit No.	Load Served
1st Floor Lighting	1	20 / 1	2065	2832					20 / 1	2	1st Floor Lighting
1st Floor Lighting	3	20 / 1			2294	2890			20 / 1	4	1st Floor Lighting
1st Floor Lighting	5	20 / 1					2065	2294	20 / 1	6	1st Floor Lighting
1st Floor Lighting	7	20 / 1	2907	1072					20 / 1	8	Exterior Wall Packs
Stairwell Lighting	9	20 / 1			408	210			20 / 1	10	2nd Floor Lighting
2nd Floor Lighting	11	20 / 1					2472	4025	20 / 1	12	2nd Floor Lighting
Spare	13	20 / 1							20 / 1	14	Spare
Exterior Light Poles	15	20 / 1			643	200			20 / 1	16	Photocell Control
Spare	17	20 / 1							20 / 1	18	Spare
Spare	19	20 / 1							20 / 1	20	Spare
Spare	21	20 / 1							20 / 1	22	Spare
Spare	23	20 / 1							20 / 1	24	Spare
Fully Equiped Space	25									26	Fully Equiped Space
Fully Equiped Space	27									28	Fully Equiped Space
Fully Equiped Space	29									30	Fully Equiped Space
Load VA			8876		6645		10856				
Total VA		26377									
Load Amps		32									

*Existing Circuit Loads from AS-BUILT RECORD DRAWINGS

Building 887 Electrical Room 141: Panel H1S: 480/277 Wye 100 amp mains, 3-phase 4-wire, 42 circuit capacity, 22K AIC, MLO, Eaton/Cutler-Hammer

Load Served	Circuit No.	Breaker Amps/pole	Phase Load A		Phase Load B		Phase Load C		Breaker Amps/pole	Circuit No.	Load Served
LTG Rooms 103, 149-155	1	20 / 1	2818	3193					20 / 1	2	LTG Rooms 101-106,139,140,150
LTG Rooms 116-134	3	20 / 1			1914	2384			20 / 1	4	LTG Rooms 127-129, Corridor N
Exterior Lights	5	20 / 1					3018	630	20 / 1	6	Playground Lights
Spare	7	20 / 1							20 / 1	8	Spare
Spare	9	20 / 1							20 / 1	10	Spare
Photocell control	11	20 / 1					200	535	20 / 1	12	Exterior Light Poles
Spare	13	20 / 1							20 / 1	14	Spare
Spare	15	20 / 1							20 / 1	16	Spare
Spare	17	20 / 1							20 / 1	18	Spare
Spare	19	20 / 1							20 / 1	20	Spare
Fully Equiped Space	21									22	Fully Equiped Space
Fully Equiped Space	23									24	Fully Equiped Space
Fully Equiped Space	25									26	Fully Equiped Space
Fully Equiped Space	27									28	Fully Equiped Space
Fully Equiped Space	29									30	Fully Equiped Space
Fully Equiped Space	31									32	Fully Equiped Space
Fully Equiped Space	33									34	Fully Equiped Space
Fully Equiped Space	35									36	Fully Equiped Space
Fully Equiped Space	37									38	Fully Equiped Space
Fully Equiped Space	39									40	Fully Equiped Space
Fully Equiped Space	41									42	Fully Equiped Space
Load VA			6011		4298		4383				
Total VA		14692									
Load Amps		18									

*Existing Circuit Loads from AS-BUILT RECORD DRAWINGS

MARK	DESCRIPTION	DATE

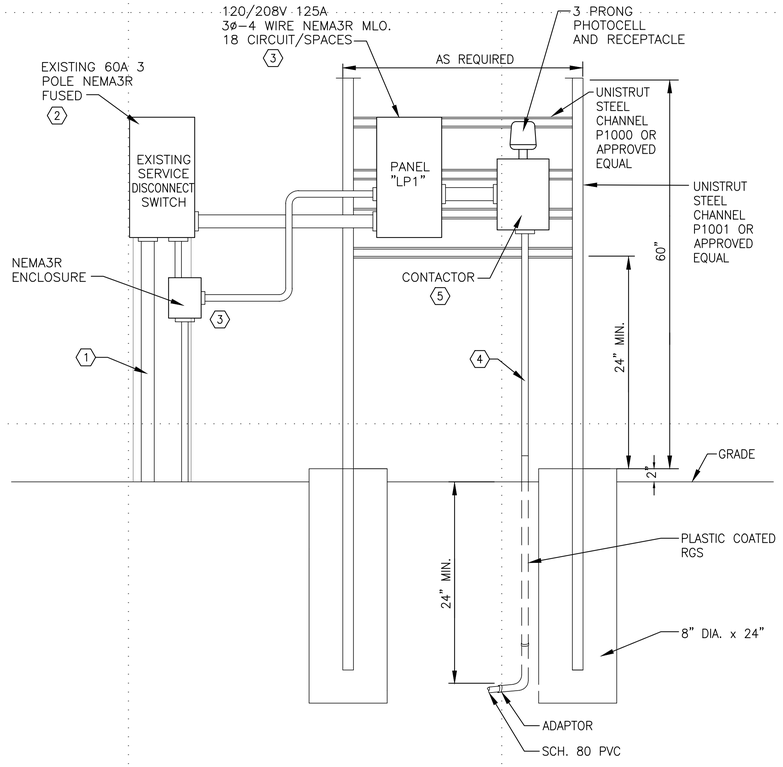
DESIGNED BY: C.P. | DATE: JUNE 25, 2019
DRAWN BY: R.V. | W.O. # FE-10578-7P FE-10581-7P
REVIEWED BY: C.P. | SPEC. #
SCALE: AS SHOWN

DIRECTORATE OF PUBLIC WORKS
FORT BLISS, TEXAS

FORT BLISS DPW

BLDG. 880
PARKING LOT LIGHTING
DETAILS & SCHEDULES

SHEET NUMBER:
E-102
4 OF 5



1 SERVICE SUPPORT
N.T.S.

KEYED NOTES

BUILDING 801 PARKING:

1. COORDINATE WITH RIO GRANDE ELECTRIC COOP (RGEC) AND REPLACE EXISTING WIRE FOR "CHAFFEE STREET LIGHTING" DISCONNECT WITH 4 – # 4 XHHW-2 CU WIRE FROM DISCONNECT TO TRANSFORMER. PROVIDE TERMINAL LUGS AS PER RGEC. TEST GROUND ELECTRODE RESISTANCE AND PROVIDE TEST RESULTS. IF RESISTANCE TO EARTH IN NOT 25 OHMS OR LESS, PROVIDE A SUPPLEMENTAL ELECTRODE AS PER NEC, TEST AND PROVIDE TEST RESULTS.
2. INSTALL NEW 60 AMP DUAL ELEMENT TIME DELAY UL CLASS RK5 FUSES IN "CHAFFEE STREET LIGHTING" SERVICE DISCONNECT SWITCH.
3. INSTALL NEW LIGHTING SERVICE PANEL "LP1". CONNECT THROUGH EXISTING "CHAFFEE STREET LIGHTING" DISCONNECT SWITCH USING 4 – #4 AND 1 – #8 GROUND THHW CU CONDUCTORS. CONNECT EXISTING CHAFFEE STREET LIGHT CIRCUITS TO THE NEW PANEL THROUGH A NEW 40 AMP 3-POLE CIRCUIT BREAKER.
4. RUN NEW LIGHTING CIRCUIT USING 2 – #8 THHW PHASE CU CONDUCTORS AND 1 – #8 THHW GROUND CU CONDUCTOR IN 1-1/4" CONDUIT. PROTECT CIRCUIT IN PANEL "LP1" USING A 20 AMP 2-POLE BREAKER.
5. LIGHTING CIRCUIT SHALL BE RUN THROUGH A NEW 4-POLE LIGHTING CONTACTOR WITH 20 AMP CONTACTS, 250 VOLT RATING AND 120 VOLT ELECTRONICALLY HELD COIL. CONTACTOR SHALL BE CONTROLLED BY PHOTO CELL. THE ENCLOSURE SHALL BE NEMA 3R FOR EXTERIOR INSTALLATION.

Building 880 Electrical Room 114: Panel PP1 Section 2: 120/208 v 250 amp mains, 3-phase 4-wire, 42 circuit per section, 22K AIC, MLO, Siemens

Load Served	Circuit No.	Breaker Amps/pole	Phase Load A		B		C		Breaker Amps/pole	Circuit No.	Load Served
Exterior Pole Top LTG	43	20 / 2	413	330					20 / 2	44	Exterior Light Bollards
-----	45	---			413	330			---	46	-----
Exterior Pole Top LTG	47	20 / 2					550	330	20 / 2	48	Exterior Light Bollards
-----	49	---	550	330					---	50	-----
Exterior Flag Pole LTG	51	20 / 2			413	360			20 / 1	52	Exterior Bollard Recept.
-----	53	---					413	360	20 / 1	54	Exherior Shelter Recept./Irrigation Control
Spare	55	15 / 1		180					20 / 1	56	Aqua GFI
Spare	57	20 / 1				866			15 / 3	58	3 Phase Circ. Pumps 1, 2 (STP1, HWP 1)
Circ. Pumps	59	20 / 1						866	---	60	
Solar Heat Equipment	61	20 / 2	1125	866					---	62	
-----	63	---			1125				20 / 1	64	CATV Pedestal
Door Operator	65	20 / 1					600		20 / 1	66	Spare
Front Canapy Lights	67	20 / 1	1488						20 / 1	68	Spare
Photocell Control	69	20 / 1			200	727			20 / 2	70	Parking Lot Lights
GFI Aqua 2	71	20 / 1					180	727	---	72	
Spare	73	20 / 1							20 / 1	74	Spare
Spare	75	20 / 1				998			20 / 2	76	Parking Lot Lights
Parking Lot Lights	77	20 / 2					727	998	---	78	
Spare	79	---	727						20 / 1	80	Spare
Spare	81	20 / 1							20 / 1	82	Spare
Spare	83	20 / 1							20 / 1	84	Spare
Load VA			6009		5432		5751				
Section 1 Total VA		40000									
Section 2 Total VA		17192									
Section 2 Load Amps		159									

*Existing Circuit Loads from AS-BUILT RECORD DRAWINGS

New Panel LP1 120/208v 100 amp, 3-phase 4-wire, 18 circuit capacity, NEMA 3R, 100% Rated Copper Bus

Load Served	Circuit No.	Breaker Amps/pole	Phase A		B		C		Breaker Load Amps	Circuit No.	Load Served
Chaffee Street Lights	1	40/3	3125							2	Space
-----	3	-----			3125	1186			20/2	4	Parking Lot Lights
-----	5	-----					3125	1186	----	6	-----
	7									8	Space
Space	9									10	Space
Space	11									12	Space
Space	13			200					20/1	14	Photocell Control
Space	15									16	Space
Space	17									18	Space
			3325		4311		4311				
Total VA	11947										
Total amps	33										

MARK	DESCRIPTION	DATE

DESIGNED BY: C.P.
DRAWN BY: R.V.
DATE: JUNE 25, 2019
W.O. # FE-10578-7P
FE-10581-7P
REVIEWED BY: C.P
SPEC. #
SCALE: AS SHOWN

DIRECTORATE OF
PUBLIC WORKS
FORT BLISS, TEXAS

FORT BLISS DPW

BLDG. 880
PARKING LOT LIGHTING

DETAIL & SCHEDULES

SHEET NUMBER:
E-103
5 OF 5