## Branch Panel: LA

**Location:** ELECTRICAL 135 **Volts:** 120/208 Wye **A.I.C. Rating:**
**Supply From:** **Phases:** 3 **Mains Type:** MLO
**Mounting:** SURFACE **Wires:** 4 **Mains Rating:** 225 A
**Enclosure:**

**Notes:**

| CKT | Circuit Description | Trip | Poles | A (KVA) | | B (KVA) | | C (KVA) | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RECEPTACLES EVIDENCE PROCESSING | 20 A | 1 | 0.54 | 0.72 | | | | | 1 | 20 A | RECEPTACLES, EF-15.-17 | 2 |
| 3 | RECEPTACLES BOOKING | 20 A | 1 | | | 1.08 | 0.74 | | | 1 | 20 A | RECEPTACLES, EF-3,-4 | 4 |
| 5 | RECEPTACLES EXTERIOR | 20 A | 1 | | | | | 0.54 | 0.36 | 1 | 20 A | RECEPTACLES | 6 |
| 7 | FURNITURE POWER | 20 A | 1 | 0.40 | 0.40 | | | | | 1 | 20 A | FURNITURE POWER | 8 |
| 9 | LIGHTING | 20 A | 1 | | | 1.32 | 0.84 | | | 1 | 20 A | LIGHTING | 10 |
| 11 | LIGHTING | 20 A | 1 | | | | | 0.18 | 0.36 | 1 | 20 A | LIGHTING | 12 |
| 13 | PIU1-3 | 25 A | 3 | 2.20 | 1.25 | | | | | 2 | 20 A | PIU1-4 | 14 |
| 15 | -- | -- | -- | | | 2.20 | 1.25 | | | -- | -- | -- | 16 |
| 17 | -- | -- | -- | | | | | 2.20 | 2.67 | 3 | 30 A | PIU1-5 | 18 |
| 19 | PIU1-6 | 25 A | 2 | 1.75 | 2.67 | | | | | -- | -- | -- | 20 |
| 21 | -- | -- | -- | | | 1.75 | 2.67 | | | -- | -- | -- | 22 |
| 23 | FURNITURE POWER | 20 A | 1 | | | | | 0.36 | 0.36 | 1 | 20 A | FURNITURE POWER | 24 |
| 25 | FURNITURE POWER | 20 A | 1 | 0.36 | 1.50 | | | | | 3 | 25 A | PIU1-13 | 26 |
| 27 | EF-11 | 20 A | 1 | | | 1.71 | 1.50 | | | -- | -- | -- | 28 |
| 29 | EF-1,2 | 20 A | 1 | | | | | 0.69 | 1.50 | -- | -- | -- | 30 |
| 31 | LIGHTING | 20 A | 1 | 1.28 | 1.00 | | | | | 2 | 15 A | CAHU-1 | 32 |
| 33 | LIGHTING | 20 A | 1 | | | 1.34 | 1.00 | | | -- | -- | -- | 34 |
| 35 | RECEPTACLES | 20 A | 1 | | | | | 0.90 | 0.54 | 1 | 20 A | RECEPTACLES EVIDENCE PROCESSING | 36 |
| 37 | SYSTEMS J-BOX | 20 A | 1 | 0.72 | 0.54 | | | | | 1 | 20 A | RECEPTACLES CID BULL PEN | 38 |
| 39 | EXTERIOR LIGHTS | 20 A | 1 | | | 0.12 | 0.12 | | | 1 | 20 A | EXTERIOR LIGHTS | 40 |
| 41 | EXTERIOR LIGHTS | 20 A | 1 | | | | | 0.90 | 0.50 | 1 | 20 A | PRINTER | 42 |
| | | | Total Load: | 15334 VA | | 17646 VA | | 12057 VA | | | | | |
| | | | Total Amps: | 132 A | | 151 A | | 100 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| HVAC | 27286 VA | 100.00% | 27286 VA | | |
| Other | 14852 VA | 100.00% | 14852 VA | Total Conn. Load: | 45038 VA |
| Spare | 2900 VA | 100.00% | 2900 VA | Total Est. Demand: | 45038 VA |
| | | | | Total Conn.: | 125 A |
| | | | | Total Est. Demand: | 125 A |

**Notes:**

## Branch Panel: LB

**Location:** ELECTRICAL 135 **Volts:** 120/208 Wye **A.I.C. Rating:**
**Supply From:** **Phases:** 3 **Mains Type:** MLO
**Mounting:** SURFACE **Wires:** 4 **Mains Rating:** 225 A
**Enclosure:**

**Notes:**

| CKT | Circuit Description | Trip | Poles | A (KVA) | | B (KVA) | | C (KVA) | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RECEPTCALES, EF-7 | 20 A | 1 | 0.49 | 0.72 | | | | | 1 | 20 A | RECEPTACLES RECEPTION | 2 |
| 3 | RECEPTACLES OFFICES | 20 A | 1 | | | 0.72 | 0.54 | | | 1 | 20 A | RECEPTACLES COURT CLERK | 4 |
| 5 | RECEPTACLES OFFICES | 20 A | 1 | | | | | 0.90 | 0.72 | 1 | 20 A | RECEPTACLES CORRIDOR | 6 |
| 7 | RECEPTACLES RESTROOMS | 20 A | 1 | 0.36 | 0.72 | | | | | 1 | 20 A | RECEPTACLES OFFICES | 8 |
| 9 | RECEPTACLES | 20 A | 1 | | | 0.72 | 1.08 | | | 1 | 20 A | RECEPTACLES COURT ROOM | 10 |
| 11 | RECEPTACLES COURT ROOM | 20 A | 1 | | | | | 0.72 | 0.36 | 1 | 20 A | RECEPTACLES MONITORS | 12 |
| 13 | RECEPTACLES | 20 A | 1 | 1.08 | 0.54 | | | | | 1 | 20 A | RECEPTACLES | 14 |
| 15 | RECEPTACLES SQUAD ROOM | 20 A | 1 | | | 0.54 | 0.00 | | | 1 | 20 A | RECEPTACLES SQUAD ROOM | 16 |
| 17 | RECEPTACLES SQUAD ROOM | 20 A | 1 | | | | | 0.00 | 5.33 | 3 | 60 A | PIU1-8 | 18 |
| 19 | PIU1-9 | 60 A | 3 | 3.20 | 5.33 | | | | | -- | -- | -- | 20 |
| 21 | -- | -- | -- | | | 3.20 | 5.33 | | | -- | -- | -- | 22 |
| 23 | -- | -- | -- | | | | | 3.20 | 1.83 | 3 | 25 A | PIU1-12 | 24 |
| 25 | PIU1-11 | 30 A | 3 | 2.17 | 1.83 | | | | | -- | -- | -- | 26 |
| 27 | -- | -- | -- | | | 2.17 | 1.83 | | | -- | -- | -- | 28 |
| 29 | -- | -- | -- | | | | | 2.17 | 0.72 | 1 | 20 A | RECEPTACLES | 30 |
| 31 | RECEPTACLES COURT ROOM | 20 A | 1 | 1.00 | 1.08 | | | | | 1 | 20 A | RECEPTACLES | 32 |
| 33 | EF-10 | 20 A | 1 | | | 0.53 | 0.18 | | | 1 | 20 A | TRAINING PROJECTOR | 34 |
| 35 | LIGHTING | 20 A | 1 | | | | | 0.09 | 0.54 | 1 | 20 A | RECEPTACLES | 36 |
| 37 | LIGHTING | 20 A | 1 | 0.00 | 0.50 | | | | | 1 | 20 A | PRINTER | 38 |
| 39 | LIGHTING | 20 A | 1 | | | 1.16 | 0.54 | | | 1 | 20 A | RECEPTACLES CSO LT | 40 |
| 41 | LIGHTING | 20 A | 1 | | | | | 0.14 | 0.18 | 1 | 20 A | SECURITY CHECKPOINT RECEPTACLE | 42 |
| | | | Total Load: | 19024 VA | | 18541 VA | | 16908 VA | | | | | |
| | | | Total Amps: | 161 A | | 157 A | | 141 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| HVAC | 13656 VA | 100.00% | 13656 VA | | |
| Other | 40816 VA | 100.00% | 40816 VA | Total Conn. Load: | 54472 VA |
| | | | | Total Est. Demand: | 54472 VA |
| | | | | Total Conn.: | 151 A |
| | | | | Total Est. Demand: | 151 A |

**Notes:**

## Branch Panel: PB

**Location:** ELECTRICAL 135 **Volts:** 120/208 Wye **A.I.C. Rating:**
**Supply From:** **Phases:** 3 **Mains Type:** MLO
**Mounting:** SURFACE **Wires:** 4 **Mains Rating:** 225 A
**Enclosure:**

**Notes:**

| CKT | Circuit Description | Trip | Poles | A (KVA) | | B (KVA) | | C (KVA) | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PIU1-10 | 15 A | 3 | 0.67 | 0.36 | | | | | 1 | 20 A | FURNITURE POWER | 2 |
| 3 | -- | -- | -- | | | 0.67 | 0.36 | | | 1 | 20 A | FURNITURE POWER | 4 |
| 5 | -- | -- | -- | | | | | 0.67 | 0.36 | 1 | 20 A | FURNITURE POWER | 6 |
| 7 | PIU1-7 | 60 A | 3 | 4.33 | 0.72 | | | | | 1 | 20 A | SYSTEMS J-BOX | 8 |
| 9 | -- | -- | -- | | | 4.33 | 0.72 | | | 1 | 20 A | RECEPTACLES ROOFTOP MAINT | 10 |
| 11 | -- | -- | -- | | | | | 4.33 | 0.00 | 1 | 20 A | SPARE | 12 |
| 13 | HOT WATER CIRCULATION PUMP | 20 A | 1 | 0.18 | 0.00 | | | | | 1 | 20 A | SPARE | 14 |
| 15 | CCU-2 | 25 A | 2 | | | 0.90 | 0.00 | | | 1 | 20 A | SPARE | 16 |
| 17 | -- | -- | -- | | | | | 0.90 | 0.00 | 1 | 20 A | SPARE | 18 |
| 19 | SPARE | 20 A | 1 | 0.00 | 0.00 | | | | | 1 | 20 A | SPARE | 20 |
| 21 | SPARE | 20 A | 1 | | | 0.00 | 0.00 | | | 1 | 20 A | SPARE | 22 |
| 23 | SPARE | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | SPARE | 24 |
| 25 | SPARE | 20 A | 1 | 0.00 | 0.00 | | | | | 1 | 20 A | SPARE | 26 |
| 27 | SPARE | 20 A | 1 | | | 0.00 | 0.00 | | | 1 | 20 A | SPARE | 28 |
| 29 | SPARE | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | SPARE | 30 |
| 31 | SPARE | 20 A | 1 | 0.00 | 0.00 | | | | | 1 | 20 A | SPARE | 32 |
| 33 | SPARE | 20 A | 1 | | | 0.00 | 0.00 | | | 1 | 20 A | SPARE | 34 |
| 35 | SPARE | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | SPARE | 36 |
| 37 | SPARE | 20 A | 1 | 0.00 | 0.00 | | | | | 1 | 20 A | SPARE | 38 |
| 39 | SPARE | 20 A | 1 | | | 0.00 | 0.00 | | | 1 | 20 A | SPARE | 40 |
| 41 | SPARE | 20 A | 1 | | | | | 0.00 | 0.00 | 1 | 20 A | SPARE | 42 |
| | | | Total Load: | 6590 VA | | 6821 VA | | 6104 VA | | | | | |
| | | | Total Amps: | 56 A | | 57 A | | 51 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| HVAC | 16475 VA | 100.00% | 16475 VA | | |
| Other | 3030 VA | 100.00% | 3030 VA | Total Conn. Load: | 19500 VA |
| | | | | Total Est. Demand: | 19500 VA |
| | | | | Total Conn.: | 54 A |
| | | | | Total Est. Demand: | 54 A |

**Notes:**

## Branch Panel: LC

**Location:** ELECTRICAL 135 **Volts:** 120/208 Wye **A.I.C. Rating:**
**Supply From:** **Phases:** 3 **Mains Type:** MLO
**Mounting:** SURFACE **Wires:** 4 **Mains Rating:** 225 A
**Enclosure:**

**Notes:**

| CKT | Circuit Description | Trip | Poles | A (KVA) | | B (KVA) | | C (KVA) | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | GYM RECEPTACLES | 20 A | 1 | 0.36 | 0.54 | | | | | 1 | 20 A | GYM RECEPTACLES | 2 |
| 3 | GYM RECEPTACLES | 20 A | 1 | | | 0.36 | 2.00 | | | 2 | 30 A | DRYER | 4 |
| 5 | STORAGE/ELEC RM RECEPTACLES | 20 A | 1 | | | | | 0.36 | 2.00 | -- | -- | -- | 6 |
| 7 | GYM RECEPTACLES | 20 A | 1 | 0.54 | 0.54 | | | | | 1 | 20 A | GYM RECEPTACLES | 8 |
| 9 | VEHICLE PROCESSING | 20 A | 1 | | | 0.54 | 0.49 | | | 1 | 20 A | LAUNDRY RM RECEPTACLES, EF-14 | 10 |
| 11 | RESTROOMS | 20 A | 1 | | | | | 0.00 | 0.90 | 1 | 20 A | RECEPTACLES CORRIDOR | 12 |
| 13 | GYM RECEPTACLES | 20 A | 1 | 0.54 | 0.54 | | | | | 1 | 20 A | VEHICLE PROCESSING | 14 |
| 15 | WATER COOLER | 20 A | 1 | | | 0.00 | 0.72 | | | 1 | 20 A | RECEPTACLES BULL PEN | 16 |
| 17 | RECEPTACLES CID BULL PEN | 20 A | 1 | | | | | 0.54 | 0.72 | 1 | 20 A | RECEPTACLES OFFICES | 18 |
| 19 | RECEPTACLES STORAGE | 20 A | 1 | 0.18 | 0.72 | | | | | 1 | 20 A | RECEPTACLES JOINT OPS | 20 |
| 21 | RECEPTACLES CID CAPT | 20 A | 1 | | | 0.90 | 0.90 | | | 1 | 20 A | RECEPTACLES PATROL CAPT | 22 |
| 23 | RECEPTACLES ASST CHIEF | 20 A | 1 | | | | | 0.90 | 0.98 | 1 | 20 A | RECEPTACLES, EF-5,-6 | 24 |
| 25 | RECEPTACLES CHIEF OFFICE | 20 A | 1 | 1.08 | 0.90 | | | | | 1 | 20 A | RECEPTACLES CHIEF'S ASSISTANT | 26 |
| 27 | RECEPTACLES OPEN OFFICE | 20 A | 1 | | | 0.90 | 0.72 | | | 1 | 20 A | RECEPTACLES BREAKROOM | 28 |
| 29 | RECEPTACLES REPORT ROOM | 20 A | 1 | | | | | 0.36 | 0.54 | 1 | 20 A | RECEPTACLES CORRIDOR | 30 |
| 31 | RECEPTACLES BREAK ROOM | 20 A | 1 | 0.36 | 0.35 | | | | | 1 | 20 A | EF-8, RECEPTS BREAKROOM | 32 |
| 33 | RECEPTACLES TRAINING LT | 20 A | 1 | | | 0.72 | 0.36 | | | 1 | 20 A | SYSTEMS J-BOX | 34 |
| 35 | PRINTER | 20 A | 1 | | | | | 0.50 | 4.13 | 3 | 45 A | PIU1-1 | 36 |
| 37 | PIU1-2 | 45 A | 3 | 4.13 | 4.13 | | | | | -- | -- | -- | 38 |
| 39 | -- | -- | -- | | | 4.13 | 4.13 | | | -- | -- | -- | 40 |
| 41 | -- | -- | -- | | | | | 4.13 | 0.37 | 1 | 20 A | LIGHTING | 42 |
| | | | Total Load: | 14918 VA | | 16875 VA | | 16435 VA | | | | | |
| | | | Total Amps: | 124 A | | 143 A | | 139 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| HVAC | 25305 VA | 100.00% | 25305 VA | | |
| Other | 22922 VA | 100.00% | 22922 VA | Total Conn. Load: | 48227 VA |
| | | | | Total Est. Demand: | 48227 VA |
| | | | | Total Conn.: | 134 A |
| | | | | Total Est. Demand: | 134 A |

**Notes:**

## Branch Panel: PA

**Location:** ELECTRICAL 135 **Volts:** 120/208 Wye **A.I.C. Rating:**
**Supply From:** **Phases:** 3 **Mains Type:** MLO
**Mounting:** Surface **Wires:** 4 **Mains Rating:** 225 A
**Enclosure:**

**Notes:**

| CKT | Circuit Description | Trip | Poles | A (KVA) | | B (KVA) | | C (KVA) | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | WATER COOLER | 20 A | 1 | 0.00 | 0.82 | | | | | 1 | 20 A | LIGHTING | 2 |
| 3 | RECEPTACLES | 20 A | 1 | | | 1.50 | 0.18 | | | 1 | 20 A | FACP (PROVIDE LOCKING TAB) | 4 |
| 5 | EWH-1 | 20 A | 2 | | | | | 1.00 | 0.50 | 1 | 20 A | WATER COOLER | 6 |
| 7 | -- | -- | -- | 1.00 | 1.00 | | | | | [illegible] | 20 A | EWH-2 | 8 |
| 9 | WATER COOLER | 20 A | 1 | | | 0.18 | 1.00 | | | -- | [illegible] | -- | 10 |
| 11 | GFCI RECEPTACLES | 20 A | 1 | | | | | 0.54 | [illegible] | 1 | 20 A | PRINTER | 12 |
| 13 | SPARE | 20 A | 1 | 0.00 | 0.00 | | | | | 1 | 20 A | SPARE | 14 |
| 15 | SPARE | 20 A | 1 | | | 0.00 | 0.00 | | | [illegible] | 20 A | SPARE | 16 |
| 17 | SPACE | -- | -- | | | | | [illegible] | 0.50 | [illegible] | 20 A | PRINTER | 18 |
| 19 | SPACE | -- | -- | 0.00 | | | | | | | | | 20 |
| 21 | SPACE | -- | -- | | | [illegible] | | | | | | | 22 |
| 23 | SPACE | -- | -- | | | | | 0.00 | | | | | 24 |
| 25 | SPACE | -- | -- | 0.00 | | | | | | | | | 26 |
| 27 | SPACE | -- | -- | | | 0.00 | | | | | | | 28 |
| 29 | SPACE | -- | -- | | | | | [illegible] | | | | | 30 |
| 31 | SPACE | -- | -- | 0.00 | | | | | | | | | 32 |
| 33 | SPACE | -- | -- | | | 0.00 | | | | | | | 34 |
| 35 | SPACE | -- | [illegible] | | | | | 0.00 | | | | | 36 |
| 37 | SPACE | -- | -- | 0.00 | | | | | | | | | 38 |
| 39 | SPACE | -- | -- | | | 0.00 | | | | | | | 40 |
| 41 | SPACE | -- | -- | | | | | 0.00 | | | | | 42 |
| | | | Total Load: | 2824 VA | | 2856 VA | | 3040 VA | | | | | |
| | | | Total Amps: | [illegible] | | 24 A | | 25 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Other | 8720 VA | 100.00% | 8720 VA | | |
| | | | | Total Conn. Load: | 8720 VA |
| | | | | Total Est. Demand: | 8720 VA |
| | | | | Total Conn.: | 24 A |
| | | | | Total Est. Demand: | 24 A |

**Notes:**

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ELECTRICAL SCHEDULES

PROJECT # 19160MONRpo
DATE: Issue Date
DRAWN BY: WBS
CHECKED BY: TL

Spencer Bristol Engineering, Inc.
A Gray Company
3577 Parkway Lane, Suite 250
Peachtree Corners, Georgia 30092
Tel. 770.414.1628 Fax 770.414.6024
SBE Project No. 19036

PERMIT SET

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