## Branch Panel: LDH

**Location:** EQUIPMENT ROOM B1008
**Supply From:**
**Mounting:** Surface
**Enclosure:** 1

**Volts:** 480/277 Wye
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 42kAIC
**Mains Type:** MLO
**Mains Rating:** 200 A
**MCB Rating:** 200 A

**Notes:**
NEW SURFACE MOUNTED PANEL.

| CKT | Circuit Description | Trip | Poles | A (VA) | | B (VA) | | C (VA) | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SPARE | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | SPARE | 2 |
| 3 | SPARE | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | SPARE | 4 |
| 5 | SPARE | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | SPARE | 6 |
| 7 | Lights - Dispatch Area | 20 A | 1 | 469 | 0 | | | | | -- | -- | SPACE | 8 |
| 9 | SPARE | 20 A | 1 | | | 0 | 0 | | | -- | -- | SPACE | 10 |
| 11 | SPARE | 20 A | 1 | | | | | 0 | 0 | -- | -- | SPACE | 12 |
| 13 | SPACE | -- | -- | 0 | 0 | | | | | -- | -- | SPACE | 14 |
| 15 | SPACE | -- | -- | | | 0 | 0 | | | -- | -- | SPACE | 16 |
| 17 | SPACE | -- | -- | | | | | 0 | 0 | -- | -- | SPACE | 18 |
| 19 | SPACE | -- | -- | 0 | 0 | | | | | -- | -- | SPACE | 20 |
| 21 | SPACE | -- | -- | | | 0 | 0 | | | -- | -- | SPACE | 22 |
| 23 | SPACE | -- | -- | | | | | 0 | 0 | -- | -- | SPACE | 24 |
| 25 | Panelboard 'LDPA' and 'LDPB' via Transformer 'TR-LDP' | 110 A | 3 | 16649 | 0 | | | | | 3 | 60 A | Surge Protective Device 'SPD-LDH' | 26 |
| 27 | | | | | | 16554 | 0 | | | | | | 28 |
| 29 | | | | | | | | 16454 | 0 | | | | 30 |
| | | | **Total Load:** | 17115 VA | | 16554 VA | | 16454 VA | | | | | |
| | | | **Total Amps:** | 62 A | | 60 A | | 59 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Lighting | 469 VA | 100.00% | 469 VA | | |
| Receptacle | 24020 VA | 70.82% | 17010 VA | **Total Conn. Load:** | 50123 VA |
| Cooling | 10150 VA | 100.00% | 10150 VA | **Total Est. Demand:** | 43113 VA |
| Heating | 4045 VA | 100.00% | 4045 VA | **Total Conn. Current:** | 60 A |
| MISC EQUIP | 11441 VA | 100.00% | 11441 VA | **Total Est. Demand Current:** | 52 A |

**Notes:**

## Branch Panel: LDPA

**Location:** EQUIPMENT ROOM B1008
**Supply From:** TR-LDP
**Mounting:** Surface
**Enclosure:** 1

**Volts:** 120/208 Wye
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 10kAIC
**Mains Type:** MCB
**Mains Rating:** 400 A
**MCB Rating:** 250 A

**Notes:**
NEW SURFACE MOUNTED PANEL.

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SPARE | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | SPARE | 2 |
| 3 | SPARE | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | SPARE | 4 |
| 5 | SPARE | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | SPARE | 6 |
| 7 | Receptacle - Floor Box - Dispatch #B1006 | 20 A | 1 | 1000 | 1000 | | | | | 1 | 20 A | Receptacle - Floor Box - Dispatch #B1006 | 8 |
| 9 | Receptacle - Floor Box - Dispatch #B1006 | 20 A | 1 | | | 1000 | 1000 | | | 1 | 20 A | Receptacle - Floor Box - Dispatch #B1006 | 10 |
| 11 | Receptacle - Floor Box - Dispatch #B1006 | 20 A | 1 | | | | | 1000 | 1000 | 1 | 20 A | Receptacle - Floor Box - Dispatch #B1006 | 12 |
| 13 | Receptacle - Floor Box - Dispatch #B1006 | 20 A | 1 | 1000 | 1000 | | | | | 1 | 20 A | Receptacle - Floor Box - Dispatch #B1006 | 14 |
| 15 | Receptacle - Floor Box - Dispatch #B1006 | 20 A | 1 | | | 1000 | 1000 | | | 1 | 20 A | Receptacle - Floor Box - Dispatch #B1006 | 16 |
| 17 | Receptacle - Floor Box - Dispatch #B1006 | 20 A | 1 | | | | | 1000 | 1000 | 1 | 20 A | Receptacle - Floor Box - Dispatch #B1006 | 18 |
| 19 | Receptacle - Floor Box - Dispatch #B1006 | 20 A | 1 | 1000 | 1000 | | | | | 1 | 20 A | Receptacle - Floor Box - Dispatch #B1006 | 20 |
| 21 | Receptacle - Floor Box - Dispatch #B1006 | 20 A | 1 | | | 1000 | 1000 | | | 1 | 20 A | Receptacle - Floor Box - Dispatch #B1006 | 22 |
| 23 | Receptacle - Floor Box (Copier) - Dispatch #B1006 | 20 A | 1 | | | | | 1000 | 900 | 1 | 20 A | Receptacle - Monitors - Dispatch #B1006 | 24 |
| 25 | Receptacle - Dispatch #B1006 | 20 A | 1 | 900 | 360 | | | | | 1 | 20 A | Receptacle - Counter - Breakroom #B1005 | 26 |
| 27 | Receptacle - Rms #B1006 & #B1007 | 20 A | 1 | | | 900 | 360 | | | 1 | 20 A | Receptacle - Counter - Breakroom #B1005 | 28 |
| 29 | Receptacle - Director's Office #B1007 | 20 A | 1 | | | | | 1080 | 1100 | 1 | 20 A | Receptacle & Valves - Rms #B1001, B1002 & B1004 | 30 |
| 31 | Dispatch Data Frame 'DDF-1' - Rm #B1008 | 20 A | 1 | 1500 | 1500 | | | | | 1 | 20 A | Dispatch Data Frame 'DDF-1' - Rm #B1008 | 32 |
| 33 | Dispatch Data Frame 'DDF-1' - Rm #B1008 | 20 A | 1 | | | 1500 | 1500 | | | 1 | 20 A | Dispatch Data Cabinet - Equipment Room #B1008 | 34 |
| 35 | Dispatch Data Frame 'DDF-1' - Rm #B1008 | 20 A | 1 | | | | | 1500 | 720 | 1 | 20 A | Receptacle - Rm #B1008 | 36 |
| 37 | Panelboard 'LDPB' Rm #B1008 | 100 A | 3 | 6389 | 0 | | | | | 3 | 60 A | Surge Protective Device 'SPD-LDPA' | 38 |
| 39 | | | | | | 6294 | 0 | | | | | | 40 |
| 41 | | | | | | | | 6154 | 0 | | | | 42 |
| | | | **Total Load:** | 16649 VA | | 16554 VA | | 16454 VA | | | | | |
| | | | **Total Amps:** | 139 A | | 138 A | | 137 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Receptacle | 24020 VA | 70.82% | 17010 VA | | |
| Cooling | 10150 VA | 100.00% | 10150 VA | **Total Conn. Load:** | 49657 VA |
| Heating | 4045 VA | 100.00% | 4045 VA | **Total Est. Demand:** | 42647 VA |
| MISC EQUIP | 11441 VA | 100.00% | 11441 VA | **Total Conn. Current:** | 138 A |
| | | | | **Total Est. Demand Current:** | 118 A |

**Notes:**
* = PROVIDE GROUND FAULT CURRENT INTERRUPTING (GFCI) BREAKER.

## Branch Panel: LDPB

**Location:** EQUIPMENT ROOM B1008
**Supply From:** LDPA
**Mounting:** Surface
**Enclosure:** 1

**Volts:** 120/208 Wye
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 10kAIC
**Mains Type:** MCB
**Mains Rating:** 100 A

**Notes:**
NEW SURFACE MOUNTED PANEL.

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SPARE | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | SPARE | 2 |
| 3 | SPARE | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | SPARE | 4 |
| 5 | SPARE | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | SPARE | 6 |
| 7 | Heat Pump 'HP-1' - Dispatch #B1006 | 15 A | 2 | | 24 | 1500 | | | | 1 | 20 A | Electric Wall Heater 'EWH-4' - Vestibule#B1009 | 8 |
| 9 | | | | | | | 24 | 2995 | | 2 | 45 A | Air Cooled Condensing Unit 'ACC-2' - Exterior | 10 |
| 11 | Heat Pump 'HP-2' - Dispatch #B1006 | 15 A | 2 | | | | | | 24 | | | | 12 |
| 13 | | | | | 24 | 2080 | | | | 2 | 20 A | Air Cooled Condensing Unit 'ACC-5' - Exterior | 14 |
| 15 | Heat Pump 'HP-3' - Director's Office #B1007 | 15 A | 2 | | | | 24 | 2080 | | | | | 16 |
| 17 | | | | | | | | | 24 | 2 | 20 A | Electric Duct Heater 'EDH-1' - Equipment Rooom #B1008 | 18 |
| 19 | Recept - Garbage Disposal - Breakroom #B1005 | 20 A | 1 | 1200 | 1201 | | | | | | | | 20 |
| 21 | *.Recept - Refrigerator - Breakroom #B1005 | 20 A | 1 | | | | 1000 | 171 | | 2 | 15 A | Energy Recovery Ventilator 'ERV-1' - Equipment Room #B1008 | 22 |
| 23 | Recept - Microwave - Breakroom #B1005 | 20 A | 1 | | | | | | 1200 | | | | 24 |
| 25 | Recepts - Rm #B1008 | 20 A | 1 | 360 | 0 | | | | | 1 | 20 A | (Future) DDF UPS - Rm #B1008 | 26 |
| 27 | Heat Pumps 'HP-1 to HP-4' condensate pump... | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | (Future) DDF UPS - Rm #B1008 | 28 |
| 29 | Recepts - Exterior | 20 A | 1 | | | | | 540 | 0 | 1 | 20 A | SPARE | 30 |
| 31 | SPACE | -- | -- | 0 | 0 | | | | | -- | -- | SPACE | 32 |
| 33 | SPACE | -- | -- | | | 0 | 0 | | | -- | -- | SPACE | 34 |
| 35 | SPACE | -- | -- | | | | | 0 | 0 | -- | -- | SPACE | 36 |
| 37 | SPACE | -- | -- | 0 | 0 | | | | | | | | 38 |
| 39 | SPACE | -- | -- | | | 0 | 0 | | | 3 | 60 A | Surge Protective Device 'SPD-LDPB' | 40 |
| 41 | SPACE | -- | -- | | | | | 0 | 0 | | | | 42 |
| | | | **Total Load:** | 6389 VA | | 6294 VA | | 6154 VA | | | | | |
| | | | **Total Amps:** | 53 A | | 53 A | | 51 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Receptacle | 900 VA | 100.00% | 900 VA | | |
| Cooling | 10150 VA | 100.00% | 10150 VA | **Total Conn. Load:** | 18837 VA |
| Heating | 4045 VA | 100.00% | 4045 VA | **Total Est. Demand:** | 18837 VA |
| MISC EQUIP | 3741 VA | 100.00% | 3741 VA | **Total Conn. Current:** | 52 A |
| | | | | **Total Est. Demand Current:** | 52 A |

**Notes:**
* = PROVIDE GROUND FAULT CURRENT INTERRUPTING (GFCI) BREAKER.

A3

ALTERNATE BID SCHEDULE

ALTERNATE BID SCHEDULE

## Branch Panel: LTH

**Location:**
**Supply From:**
**Mounting:** Surface
**Enclosure:** 1

**Volts:** 480/277 Wye
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 42kAIC
**Mains Type:** MLO
**Mains Rating:** 200 A

**Notes:**
NEW SURFACE MOUNTED PANEL.

| CKT | Circuit Description | Trip | Poles | A (VA) | | B (VA) | | C (VA) | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SPARE | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | SPARE | 2 |
| 3 | SPARE | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | SPARE | 4 |
| 5 | SPARE | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | SPARE | 6 |
| 7 | | | | | | | | | | | | | 8 |
| 9 | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | 12 |
| 13 | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | 0 | 0 | | | | | | | | 38 |
| 39 | Surge Protective Device 'SPD-LTH' | 100 A | 3 | | | 0 | 0 | | | 3 | 70 A | Panelboard 'LTP' via Transformer 'TR-LTP' | 40 |
| 41 | | | | | | | | 0 | 0 | | | | 42 |
| | | | **Total Load:** | 0 VA | | 0 VA | | 0 VA | | | | | |
| | | | **Total Amps:** | 0 A | | 0 A | | 0 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | **Total Conn. Load:** | 0 VA |
| | | | | **Total Est. Demand:** | 0 VA |
| | | | | **Total Conn. Current:** | 0 A |
| | | | | **Total Est. Demand Current:** | 0 A |

**Notes:**

## Branch Panel: LTP

**Location:** COMMUNICATIONS SHELTER
**Supply From:** TR-LTP
**Mounting:** Surface
**Enclosure:** 1

**Volts:** 120/208 Wye
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 10kAIC
**Mains Type:** MCB
**Mains Rating:** 225 A
**MCB Rating:** 175 A

**Notes:**
NEW SURFACE MOUNTED PANEL.

| CKT | Circuit Description | Trip | Poles | A (VA) | | B (VA) | | C (VA) | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SPARE | 20 A | 1 | 0 | 0 | | | | | 1 | 20 A | SPARE | 2 |
| 3 | SPARE | 20 A | 1 | | | 0 | 0 | | | 1 | 20 A | SPARE | 4 |
| 5 | SPARE | 20 A | 1 | | | | | 0 | 0 | 1 | 20 A | SPARE | 6 |
| 7 | | | | | | | | | | | | | 8 |
| 9 | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | 12 |
| 13 | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | | 0 | | | | | | | | 38 |
| 39 | | | | | | | 0 | | | 3 | 60 A | Surge Protective Device 'SPD-LTP' | 40 |
| 41 | | | | | | | | | 0 | | | | 42 |
| | | | **Total Load:** | 0 VA | | 0 VA | | 0 VA | | | | | |
| | | | **Total Amps:** | 0 A | | 0 A | | 0 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | **Total Conn. Load:** | 0 VA |
| | | | | **Total Est. Demand:** | 0 VA |
| | | | | **Total Conn. Current:** | 0 A |
| | | | | **Total Est. Demand Current:** | 0 A |

**Notes:**

C:\Revit\Backups\2020\2063-1048-90 Sullivan County Jail - Elect_rwilley-DLZ.rvt
2/16/2022 4:07:10 PM

DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
DLZ INDIANA, LLC

02-16-2022
TIMOTHY K. FOUGHT
No. PE10001119
STATE OF INDIANA
REGISTERED PROFESSIONAL ENGINEER

| NO. | REVISION | DATE |
|---|---|---|
| A1 | ADDENDUM 1 | 01/20/22 |
| A2 | ADDENDUM 2 | 02/02/22 |
| A3 | ADDENDUM 3 | 02/16/22 |

DRAWN: RDW CHK'D: TKF
DESIGNED: RDW
APPRV'D: TKF
DATE: DECEMBER 20, 2021

PROJECT NUMBER
2063-1048-90

SULLIVAN COUNTY SHERIFF'S OFFICE
AND CORRECTIONAL FACILITY
2357 NORTH SECTION STREET SULLIVAN, INDIANA 47882

PANELBOARD SCHEDULES

DRAWING NUMBER
E6.9

ELECTRICAL