## NEW — ELECTRICAL PANELBOARD SCHEDULE

### PANEL:LA — 10KAIC FULLY RATED

LOCATION: ELECTRICAL RM | BREAKER : BOLT-ON | Voltage : 208VY/120V, 3Ø , 4W
MOUNTING SURFACE | NEMA RATING : 1 | MAINS: 225 Amp MCB | BUS: 225 Amp CU | PROVIDE FEED THROUGH LUGS

| LOAD DESCRIPTION | EMT COND | CU GRND | PHASE NEUT | CKT BRKR | CIR NO. | PHASE A | PHASE B | PHASE C | CIR NO. | CKT BRKR | PHASE NEUT | CU GRND | COND | LOAD DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 1 | 3.0 | | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| TODDLER RM 42 | | | | 1 | | 3.0 | | | 2 | 1 | | | | FRONT DESK EAST RECEP. |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 3 | | 7.5 | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| TODDLER RM 42 | | | | 1 | | | 3.0 | | 4 | 1 | | | | FRONT DESK WEST RECEP. |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 5 | | | 4.5 | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| FRONT DESK T.V. 1 | | | | 1 | | | | 2.5 | 6 | 1 | | | | VESTIBULE RECEP. 1 |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 7 | 3.0 | | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| VESTIBULE RECEP. | | | | 1 | | 3.0 | | | 8 | 1 | | | | PC ROOM 1 |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 9 | | 3.0 | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| FRONT DESK WINDOW | | | | 1 | | | 3.0 | | 10 | 1 | | | | PC ROOM 2 |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 11 | | | 4.5 | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| FRONT DESK T.V. 2 | | | | 1 | | | | 3.0 | 12 | 1 | | | | PC ROOM 3 |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 13 | 3.0 | | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| DIR. OFFICE 32 | | | | 1 | | 4.5 | | | 14 | 1 | | | | INFANT RM 27 RECEP. |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 15 | | 3.0 | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| DIR. OFFFICE 32 T.V. | | | | 1 | | | 1.5 | | 16 | 1 | | | | RESTROOM 31 |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 17 | | | 3.0 | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| INFANT RM 27 WEST | | | | 1 | | | | 1.5 | 18 | 1 | | | | IT ROOM NORTH |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 19 | 3.0 | | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| IT ROOM T.V. | | | | 1 | | 4.5 | | | 20 | 1 | | | | INFANTS 33 |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 21 | | 3.0 | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| IT ROOM QUAD 1 | | | | 1 | | | 1.5 | | 22 | 1 | | | | INFANTS 33 COUNTER |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 23 | | | 3.0 | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| IT ROOM QUAD 2 | | | | 1 | | | | 6.0 | 24 | 1 | | | | INFANTS 40 RECEP. |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 25 | 1.5 | | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| TODDLERS 39 COUNTER | | | | 1 | | 1.5 | | | 26 | 1 | | | | INFANTS 40 COUNTER |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 27 | | 6.0 | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| TODDLER RM 42 | | | | 1 | | | 1.5 | | 28 | 1 | | | | TODDLER 38 COUNTER |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 29 | | | 6.0 | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| TODDLER RM 9 RECEP. | | | | 1 | | | | 6.0 | 30 | 1 | | | | TODDLER 38 GENERAL |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 31 | 1.5 | | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| TODDLER 9 COUNTER | | | | 1 | | 1.5 | | | 32 | 1 | | | | NORTH RRECEP. |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 33 | | 6.0 | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| TODDLER 43 RECEP. | | | | 1 | | | 9.0 | | 34 | 1 | | | | EAST EXTERIOR RECEP. |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 35 | | | 1.5 | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| TODDLER 43 COUNTER | | | | 1 | | | | 9.0 | 36 | 1 | | | | WEST EXTERIOR RECEP. |
| MECH | 3/4" | 10 | 10 | 25 | 37 | 13.6 | | | | 20 | 12 | 12 | 3/4" | MECH |
| KEF-1 | | | | 1 | | 9.8 | | | 38 | 1 | | | | MAF-1 |
| LIGHTING | 3/4" | 10 | 10 | 20 | 39 | | 8.4 | | | | | | | BUSSED SPACE |
| Corridor & Storage | | | | 1 | | | 0.0 | | 40 | | | | | |
| LIGHTING | 3/4" | 10 | 10 | 20 | 41 | | | 11.3 | | | | | | BUSSED SPACE |
| Exterior Down Lights & Sconce | | | | LC | | | | 0.0 | 42 | | | | | |
| AMPS PER PHASE (CONNECTED LOAD) | | | | | | 56.4 | 56.4 | 61.8 | | | | | | |

CONTRACTOR TO INSTALL APPROVED HANDLE TIE ON ALL SHARED NEUTRAL CIRCUITS.

3 PHASE DEMAND (VA)

| | |
|---|---|
| FEED THROUGH LOAD — PANEL LB | 35416.0 |
| LIGHTING | 2359.0 |
| 25% OF LIGHTING | 589.8 |
| RECEPTACLES | 15780.0 |
| | 0.0 |
| MECHANICAL | 2808.0 |
| | 0.0 |
| | 0.0 |
| | 0.0 |
| | 0.0 |
| | 0.0 |
| OFFICE RECEPTS >10KVA x – 0.5DF | -2890.0 |
| TOTAL VA | 54062.8 |

54.1 KVA @ 208V, 3Ø
150.2 Amps @ 208V, 3Ø (CODE LOAD)

SYMBOL LIST
(MCB) MAIN CIRCUIT BREAKER
(LC) VIA LIGHTING CONTACTOR

## NEW — ELECTRICAL PANELBOARD SCHEDULE

### PANEL:HA — 35KAIC FULLY RATED

LOCATION: ELECTRICAL RM | BREAKER : BOLT-ON | Voltage : 480VY/277V, 3Ø , 4W
MOUNTING SURFACE | NEMA RATING : 1 | MAINS: 600 Amp MLO | BUS: 600 Amp CU | PROVIDE FEED THROUGH LUGS

| LOAD DESCRIPTION | EMT COND | CU GRND | PHASE NEUT | CKT BRKR | CIR NO. | PHASE A | PHASE B | PHASE C | CIR NO. | CKT BRKR | PHASE NEUT | CU GRND | COND | LOAD DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LIGHTING | 3/4" | 10 | 10 | 20 | 1 | 3.9 | | | | 100 | SEE | | | PANEL |
| Site Lighting | | | | 1 | | 77.5 | | | 2 | | | | | 75KVA XFMR |
| LIGHTING | 3/4" | 10 | 10 | 20 | 3 | | 1.8 | | | | | ONE | | PANEL |
| Site Monument Sign | | | | LC | | | 64.3 | | 4 | | | | | TO PANEL LA |
| LIGHTING | 3/4" | 12 | 12 | 20 | 5 | | | 2.2 | | | | | LINE | PANEL |
| Building Lighting | | | | LC | | | | 65.7 | 6 | 3 | | | | CONT. |
| LIGHTING | 3/4" | 12 | 12 | 20 | 7 | 8.3 | | | | 20 | 12 | 12 | 3/4" | LIGHTING |
| Multipurpose | | | | 1 | | 5.4 | | | 8 | 1 | | | | Primary 122, 148 |
| LIGHTING | 3/4" | 12 | 12 | 20 | 9 | | 5.2 | | | 20 | 12 | 12 | 3/4" | LIGHTING |
| Kitchen & Primary | | | | 1 | | | 5.4 | | 10 | 1 | | | | Toddlers 118, 152 |
| LIGHTING | 3/4" | 12 | 12 | 20 | 11 | | | 5.4 | | 20 | 12 | 12 | 3/4" | LIGHTING |
| Primary 126, 144 | | | | 1 | | | | 5.4 | 12 | 1 | | | | Toddlers 114, 156 |
| MECH | 3/4" | 12 | 12 | 20 | 13 | 18.0 | | | | 20 | 12 | 12 | 3/4" | LIGHTING |
| RTU-8 | | | | HACR | | 5.4 | | | 14 | 1 | | | | Toddlers 110, 160 |
| MECH | | | 12 | | 15 | | 18.0 | | | 20 | 12 | 12 | 3/4" | LIGHTING |
| CONT. | | | | | | | 4.5 | | 16 | 1 | | | | Office |
| MECH | | | 12 | | 17 | | | 18.0 | | 20 | | | | SPARE |
| CONT. | | | | 3 | | | | 0.0 | 18 | 1 | | | | |
| MECH | 3/4" | 10 | 10 | 25 | 19 | 18.2 | | | | 20 | 12 | 12 | 3/4" | MECH |
| RTU-1 | | | | HACR | | 13.4 | | | 20 | HACR | | | | RTU-5 |
| MECH | | | 10 | | 21 | | 18.2 | | | | 12 | | | MECH |
| CONT. | | | | | | | 13.4 | | 22 | | | | | CONT. |
| MECH | | | 10 | | 23 | | | 18.2 | | | 12 | | | MECH |
| CONT. | | | | 3 | | | | 13.4 | 24 | 3 | | | | CONT. |
| MECH | 3/4" | 12 | 12 | 20 | 25 | 13.4 | | | | 20 | 12 | 12 | 3/4" | MECH |
| RTU-2 | | | | HACR | | 13.4 | | | 26 | HACR | | | | RTU-6 |
| MECH | | | 12 | | 27 | | 13.4 | | | | 12 | | | MECH |
| CONT. | | | | | | | 13.4 | | 28 | | | | | CONT. |
| MECH | | | 12 | | 29 | | | 13.4 | | | 12 | | | MECH |
| CONT. | | | | 3 | | | | 13.4 | 30 | 3 | | | | CONT. |
| MECH | 3/4" | 12 | 12 | 20 | 31 | 13.4 | | | | 20 | 12 | 12 | 3/4" | MECH |
| RTU-3 | | | | HACR | | 13.4 | | | 32 | HACR | | | | RTU-7 |
| MECH | | | 12 | | 33 | | 13.4 | | | | 12 | | | MECH |
| CONT. | | | | | | | 13.4 | | 34 | | | | | CONT. |
| MECH | | | 12 | | 35 | | | 13.4 | | | 12 | | | MECH |
| CONT. | | | | 3 | | | | 13.4 | 36 | 3 | | | | CONT. |
| PANEL | SEE | 4 | 250 | 200 | 37 | 194.8 | | | | 60 | 6 | 10 | 1" | MECH (LARGEST) |
| HB | | | | | | 47.3 | | | 38 | HACR | | | | RTU-9 |
| PANEL | | ONE | 4/0 | | 39 | | 168.6 | | | | 6 | | | MECH (LARGEST) |
| HB | | | | | | | 47.3 | | 40 | | | | | CONT. |
| PANEL | | | LINE | | 41 | | | 160.5 | | | 6 | | | MECH (LARGEST) |
| HB | | | | 3 | | | | 47.3 | 42 | 3 | | | | CONT. |
| AMPS PER PHASE (CONNECTED LOAD) | | | | | | 445.8 | 400.3 | 389.7 | | | | | | |

CONTRACTOR TO INSTALL APPROVED HANDLE TIE ON ALL SHARED NEUTRAL CIRCUITS.

3 PHASE DEMAND (VA)

| | |
|---|---|
| FROM PANEL HB | 0.0 |
| LIGHTING | 14647.0 |
| 25% OF LIGHTING | 3661.8 |
| | 0.0 |
| MECH (LARGEST) @ 1.25% | 49132.5 |
| MECHANICAL | 85764.0 |
| | 0.0 |
| | 0.0 |
| PANEL | 202619.0 |
| | 0.0 |
| | 0.0 |
| | 0.0 |
| TOTAL VA | 355824.3 |

355.8 KVA @ 480V, 3Ø
428.2 Amps @ 480V, 3Ø (CODE LOAD)

SYMBOL LIST
(MLO) MAIN LUGS ONLY / (FTL) FEED THRU LUGS
(LC) VIA LIGHTING CONTACTOR

## NEW — ELECTRICAL PANELBOARD SCHEDULE

### PANEL:LC — 10KAIC FULLY RATED

LOCATION: ELECTRICAL RM | BREAKER : BOLT-ON | Voltage : 208VY/120V, 3Ø , 4W
MOUNTING SURFACE | NEMA RATING : 1 | MAINS: 100 Amp MLO | BUS: 100 Amp CU

| LOAD DESCRIPTION | EMT COND | CU GRND | PHASE NEUT | CKT BRKR | CIR NO. | PHASE A | PHASE B | PHASE C | CIR NO. | CKT BRKR | PHASE NEUT | CU GRND | COND | LOAD DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MECH | 3/4" | 12 | 12 | 20 | 1 | 4.2 | | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| VAV-13,14,15,16 | | | | 1 | | 1.5 | | | 2 | 1 | | | | TEACHERS DISHWASHER |
| MECH | 3/4" | 12 | 12 | 20 | 3 | | 4.2 | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| VAV-17,18,19 | | | | 1 | | | 1.5 | | 4 | 1 | | | | TEACHERS COUNTER |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 5 | | | 3.0 | | 20 | 12 | 12 | 3/4" | MISC |
| TEACHER QUAD | | | | 1 | | | | 7.5 | 6 | 1 | | | | TEACHERS FRIDGE |
| MISC | 3/4" | 10 | 10 | 30 | 7 | 20.8 | | | | 20 | 12 | 12 | 3/4" | MISC |
| Dryer 1 | | | | | | 3.0 | | | 8 | 1 | | | | HOOD CONTROL PANEL |
| MISC | | | 10 | | 9 | | 20.8 | | | 20 | 12 | 12 | 3/4" | MISC |
| Cont. | | | | 2 | | | 1.5 | | 10 | 1 | | | | GAS TANKLESS WATER HEATER |
| MISC | 3/4" | 10 | 10 | 30 | 11 | | | 20.8 | | 20 | 12 | 12 | 3/4" | MISC |
| Dryer 2 | | | | | | | | 3.3 | 12 | 1 | | | | OFFICE CLG FANS |
| MISC | | | 10 | | 13 | 20.8 | | | | 20 | 12 | 12 | 3/4" | MISC |
| Cont. | | | | 2 | | 3.3 | | | 14 | 1 | | | | CLG FANS 1 |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 15 | | 5.0 | | | 20 | 12 | 12 | 3/4" | MISC |
| Kitchen Wall Fan | | | | 1 | | | 3.3 | | 16 | 1 | | | | CLG FANS 2 |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 17 | | | 2.5 | | 20 | 12 | 12 | 3/4" | MISC |
| EDF | | | | 1 | | | | 3.3 | 18 | 1 | | | | CLG FANS 3 |
| BUSSED SPACE | | | | | 19 | 0.0 | | | | 20 | 12 | 12 | 3/4" | MISC |
| | | | | | | 3.3 | | | 20 | 1 | | | | CLG FANS 4 |
| BUSSED SPACE | | | | | 21 | | 0.0 | | | 20 | 12 | 12 | 3/4" | MISC |
| | | | | | | | 3.3 | | 22 | 1 | | | | CLG FANS 5 |
| BUSSED SPACE | | | | | 23 | | | 0.0 | | 20 | 12 | 12 | 3/4" | MISC |
| | | | | | | | | 3.3 | 24 | 1 | | | | CLG FANS 6 |
| BUSSED SPACE | | | | | 25 | 0.0 | | | | 20 | 12 | 12 | 3/4" | MISC |
| | | | | | | 3.3 | | | 26 | 1 | | | | CLG FANS MULTIPURPOSE 1 |
| BUSSED SPACE | | | | | 27 | | 0.0 | | | 20 | 12 | 12 | 3/4" | MISC |
| | | | | | | | 3.3 | | 28 | 1 | | | | CLG FANS MULTIPURPOSE 2 |
| BUSSED SPACE | | | | | 29 | | | 0.0 | | | | | | BUSSED SPACE |
| | | | | | | | | 0.0 | 30 | | | | | |
| BUSSED SPACE | | | | | 31 | 0.0 | | | | | | | | BUSSED SPACE |
| | | | | | | 0.0 | | | 32 | | | | | |
| BUSSED SPACE | | | | | 33 | | 0.0 | | | | | | | BUSSED SPACE |
| | | | | | | | 0.0 | | 34 | | | | | |
| BUSSED SPACE | | | | | 35 | | | 0.0 | | | | | | BUSSED SPACE |
| | | | | | | | | 0.0 | 36 | | | | | |
| BUSSED SPACE | | | | | 37 | 0.0 | | | | | | | | BUSSED SPACE |
| | | | | | | 0.0 | | | 38 | | | | | |
| BUSSED SPACE | | | | | 39 | | 0.0 | | | | | | | BUSSED SPACE |
| | | | | | | | 0.0 | | 40 | | | | | |
| BUSSED SPACE | | | | | 41 | | | 0.0 | | | | | | BUSSED SPACE |
| | | | | | | | | 0.0 | 42 | | | | | |
| AMPS PER PHASE (CONNECTED LOAD) | | | | | | 60.3 | 43.0 | 43.8 | | | | | | |

CONTRACTOR TO INSTALL APPROVED HANDLE TIE ON ALL SHARED NEUTRAL CIRCUITS.

3 PHASE DEMAND (VA)

| | |
|---|---|
| | 0.0 |
| | 0.0 |
| | 0.0 |
| RECEPTACLES | 1620.0 |
| | 0.0 |
| MECHANICAL | 1000.0 |
| MISCELLANEOUS | 15040.0 |
| | 0.0 |
| | 0.0 |
| | 0.0 |
| | 0.0 |
| | 0.0 |
| TOTAL VA | 17660.0 |

17.7 KVA @ 208V, 3Ø
49.1 Amps @ 208V, 3Ø (CODE LOAD)

SYMBOL LIST
(MLO) MAIN LUGS ONLY / (FTL) FEED THRU LUGS

## NEW — ELECTRICAL PANELBOARD SCHEDULE

### PANEL:LB — 10KAIC FULLY RATED

LOCATION: ELECTRICAL RM | BREAKER : BOLT-ON | Voltage : 208VY/120V, 3Ø , 4W
MOUNTING SURFACE | NEMA RATING : 1 | MAINS: 225 Amp MLO | BUS: 225 Amp CU

| LOAD DESCRIPTION | EMT COND | CU GRND | PHASE NEUT | CKT BRKR | CIR NO. | PHASE A | PHASE B | PHASE C | CIR NO. | CKT BRKR | PHASE NEUT | CU GRND | COND | LOAD DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 1 | 2.5 | | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| MULTIPUR. RM. SOUTH | | | | 1 | | 2.5 | | | 2 | 1 | | | | MULTIPUR. RM EAST |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 3 | | 2.5 | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| MULTIPUR. RM. 2 SOUTH | | | | 1 | | | 3.0 | | 4 | 1 | | | | MULTIPUR. RM EAST 2 |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 5 | | | 2.5 | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| MULTIPUR. RM. 3 SOUTH | | | | 1 | | | | 2.5 | 6 | 1 | | | | MULTIPUR. RM EAST 3 |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 7 | 1.5 | | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| CLASS RM. 36 COUNTER | | | | 1 | | 6.0 | | | 8 | 1 | | | | MEZZANINE |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 9 | | 6.0 | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| CLASS RM. 36 | | | | 1 | | | 4.5 | | 10 | 1 | | | | HALLWAY RECEP. |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 11 | | | 3.0 | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| DEDICATED QUAD | | | | 1 | | | | 1.5 | 12 | 1 | | | | PRIMARY RM 41 COUNTER |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 13 | 1.5 | | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| PRIMARY RM 37 COUNTER | | | | 1 | | 6.0 | | | 14 | 1 | | | | PRIMARY RM 18 RECEP. |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 15 | | 6.0 | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| PRIMARY RM 37 RECEP. | | | | 1 | | | 1.5 | | 16 | 1 | | | | PRIMARY RM 18 COUNTER |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 17 | | | 1.5 | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| PRIMARY RM 17 COUNTER | | | | 1 | | | | 6.0 | 18 | 1 | | | | PRIMARY RM 18 RECEP. |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 19 | 6.0 | | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| PRIMARY RM 17 RECEP. | | | | 1 | | 6.0 | | | 20 | 1 | | | | EXTERIOR SOUTH RECEP. |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 21 | | 4.5 | | | 20 | 12 | 12 | 3/4" | MISC |
| EXTERIOR WEST RECEP. | | | | 1 | | | 6.7 | | 22 | 1 | | | | PROJECTOR |
| RECEPTACLES | 3/4" | 12 | 12 | 20 | 23 | | | 4.5 | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| EXTERIOR EAST RECEP. | | | | 1 | | | | 4.5 | 24 | 1 | | | | STORAGE RM RECEP. |
| MISC | 3/4" | 12 | 12 | 20 | 25 | 13.8 | | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| DISHWASHER | | | | 1 | | 4.5 | | | 26 | 1 | | | | PANTRY/KITCHEN |
| MISC | 3/4" | 12 | 12 | 20 | 27 | | 6.0 | | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| FRIDGE 1 | | | | 1 | | | 2.5 | | 28 | 1 | | | | KITCHEN EAST RECEP. |
| MISC | 3/4" | 12 | 12 | 20 | 29 | | | 6.0 | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| FRIDGE 2 | | | | 1 | | | | 1.5 | 30 | 1 | | | | KITCHEN COUNTER |
| MISC | 3/4" | 12 | 12 | 20 | 31 | 1.7 | | | | 20 | 12 | 12 | 3/4" | MISC |
| DRIINKING FOUNTAIN 1 | | | | 1 | | 6.0 | | | 32 | 1 | | | | MICROWAVE 1 |
| MISC | 3/4" | 12 | 12 | 20 | 33 | | 1.7 | | | 20 | 12 | 12 | 3/4" | MISC |
| DRINKING FOUNTAIN 2 | | | | 1 | | | 6.0 | | 34 | 1 | | | | MICROWAVE 2 |
| MISC | 3/4" | 12 | 12 | 20 | 35 | | | 4.2 | | 20 | 12 | 12 | 3/4" | RECEPTACLES |
| WASHER 1 | | | | 1 | | | | 7.5 | 36 | 1 | | | | PROJECTOR SCREEN |
| MISC | 3/4" | 12 | 12 | 20 | 37 | 4.2 | | | | 100 | SEE | | | PANEL |
| WASHER 2 | | | | 1 | | 60.3 | | | 38 | | | | | Panel L3 |
| MECH | 3/4" | 12 | 12 | 20 | 39 | | 3.3 | | | | | ONE | | PANEL |
| VAV-1,2,3,4,5,6 | | | | 1 | | | 38.0 | | 40 | | | | | Panel L3 |
| MECH | 3/4" | 12 | 12 | 20 | 41 | | | 3.3 | | | | | LINE | PANEL |
| VAV-7,8,9,10,11,12 | | | | 1 | | | | 41.3 | 42 | 3 | | | | Panel L3 |
| AMPS PER PHASE (CONNECTED LOAD) | | | | | | 122.5 | 92.2 | 89.8 | | | | | | |

CONTRACTOR TO INSTALL APPROVED HANDLE TIE ON ALL SHARED NEUTRAL CIRCUITS.

3 PHASE DEMAND (VA)

| | |
|---|---|
| | 0.0 |
| | 0.0 |
| | 0.0 |
| RECEPTACLES | 12240.0 |
| | 0.0 |
| MECHANICAL | 800.0 |
| MISCELLANEOUS | 6736.0 |
| | 0.0 |
| PANEL | 16760.0 |
| | 0.0 |
| | 0.0 |
| OFFICE RECEPTS >10KVA x – 0.5DF | -1120.0 |
| TOTAL VA | 35416.0 |

35.4 KVA @ 208V, 3Ø
98.4 Amps @ 208V, 3Ø (CODE LOAD)

SYMBOL LIST
(MCB) MAIN CIRCUIT BREAKER

## NEW — ELECTRICAL PANELBOARD SCHEDULE

### PANEL:HB — 35KAIC FULLY RATED

LOCATION: ELECTRICAL RM | BREAKER : BOLT-ON | Voltage : 480VY/277V, 3Ø , 4W
MOUNTING SURFACE | NEMA RATING : 1 | MAINS: 225 Amp MLO | BUS: 225 Amp CU

| LOAD DESCRIPTION | EMT COND | CU GRND | PHASE NEUT | CKT BRKR | CIR NO. | PHASE A | PHASE B | PHASE C | CIR NO. | CKT BRKR | PHASE NEUT | CU GRND | COND | LOAD DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MECH | 3/4" | 12 | 12 | 20 | 1 | 10.8 | | | | 25 | 10 | 10 | 3/4" | MECH |
| VAV-1 | | | | HACR | | 16.2 | | | 2 | HACR | | | | VAV-11 |
| MECH | | | 12 | | 3 | | 10.8 | | | | 10 | | | MECH |
| CONT | | | | 2 | | | 16.2 | | 4 | 2 | | | | CONT, |
| MECH | 3/4" | 10 | 10 | 30 | 5 | | | 18.1 | | 30 | 10 | 10 | 3/4" | MECH |
| VAV-2 | | | | HACR | | | | 18.1 | 6 | HACR | | | | VAV-12 |
| MECH | | | 10 | | 7 | 18.1 | | | | | 10 | | | MECH |
| CONT. | | | | 2 | | 18.1 | | | 8 | 2 | | | | CONT. |
| MECH | 3/4" | 12 | 12 | 20 | 9 | | 3.6 | | | 25 | 10 | 10 | 3/4" | MECH |
| VAV-3 | | | | HACR | | | 16.2 | | 10 | HACR | | | | VAV-13 |
| MECH | | | 12 | | 11 | | | 3.6 | | | 10 | | | MECH |
| CONT. | | | | 2 | | | | 16.2 | 12 | 2 | | | | CONT. |
| MECH | 3/4" | 12 | 12 | 20 | 13 | 4.5 | | | | 30 | 10 | 10 | 3/4" | MECH |
| VAV-4 | | | | HACR | | 18.1 | | | 14 | HACR | | | | VAV-14 |
| MECH | | | 12 | | 15 | | 4.5 | | | | 10 | | | MECH |
| CONT. | | | | 2 | | | 18.1 | | 16 | 2 | | | | CONT. |
| MECH | 3/4" | 10 | 10 | 25 | 17 | | | 16.2 | | 25 | 10 | 10 | 3/4" | MECH |
| VAV-5 | | | | HACR | | | | 16.2 | 18 | HACR | | | | VAV-15 |
| MECH | | | 10 | | 19 | 16.2 | | | | | 10 | | | MECH |
| CONT. | | | | 2 | | 16.2 | | | 20 | 2 | | | | CONT. |
| SPARE | | | | 20 | 21 | | 0.0 | | | 30 | 10 | 10 | 3/4" | MECH |
| | | | | 1 | | | 18.1 | | 22 | HACR | | | | VAV-16 |
| SPARE | | | | 20 | 23 | | | 0.0 | | | 10 | | | MECH |
| | | | | 1 | | | | 18.1 | 24 | 2 | | | | CONT. |
| MECH | 3/4" | 12 | 12 | 20 | 25 | 12.6 | | | | 25 | 10 | 10 | 3/4" | MECH |
| VAV-7 | | | | HACR | | 16.2 | | | 26 | HACR | | | | VAV-17 |
| MECH | | | 12 | | 27 | | 12.6 | | | | 10 | | | MECH |
| CONT. | | | | 2 | | | 16.2 | | 28 | 2 | | | | CONT. |
| MECH | 3/4" | 10 | 10 | 25 | 29 | | | 13.5 | | 20 | 12 | 12 | 3/4" | MECH |
| VAV-8 | | | | HACR | | | | 4.5 | 30 | HACR | | | | VAV-18 |
| MECH | | | 10 | | 31 | 13.5 | | | | | 12 | | | MECH |
| CONT. | | | | 2 | | 4.5 | | | 32 | 2 | | | | CONT. |
| MECH | 3/4" | 10 | 10 | 25 | 33 | | 13.5 | | | 20 | 12 | 12 | 3/4" | MECH |
| VAV-9 | | | | HACR | | | 9.0 | | 34 | HACR | | | | VAV-19 |
| MECH | | | 10 | | 35 | | | 13.5 | | | 12 | | | MECH |
| CONT. | | | | 2 | | | | 9.0 | 36 | 2 | | | | CONT. |
| MECH | 3/4" | 10 | 10 | 25 | 37 | 16.2 | | | | 20 | 12 | 12 | 3/4" | MECH |
| VAV-10 | | | | HACR | | 13.4 | | | 38 | | | | | RTU-4 |
| MECH | | | 10 | | 39 | | 16.2 | | | | 12 | | | MECH |
| CONT. | | | | 2 | | | 13.4 | | 40 | | | | | CONT |
| BUSSED SPACE | | | | | 41 | | | 0.0 | | | 12 | | | MECH |
| | | | | | | | | 13.4 | 42 | 3 | | | | CONT |
| AMPS PER PHASE (CONNECTED LOAD) | | | | | | 194.8 | 168.6 | 160.5 | | | | | | |

CONTRACTOR TO INSTALL APPROVED HANDLE TIE ON ALL SHARED NEUTRAL CIRCUITS.

3 PHASE DEMAND (VA)

| | |
|---|---|
| | 0.0 |
| | 0.0 |
| | 0.0 |
| | 0.0 |
| | 0.0 |
| MECHANICAL | 145136.0 |
| | 0.0 |
| | 0.0 |
| | 0.0 |
| | 0.0 |
| | 0.0 |
| | 0.0 |
| TOTAL VA | 145136.0 |

145.1 KVA @ 480V, 3Ø
174.7 Amps @ 480V, 3Ø (CODE LOAD)

SYMBOL LIST
(MLO) MAIN LUGS ONLY / (FTL) FEED THRU LUGS

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# THE MONTESSORIOM AT BELLA TERRA

23421 FM 1093 RD.
RICHMOND, TX 77406

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | FINAL SCHEME | 02.01.19 |
| 2 | REV.FINAL SCHEME | 02.07.19 |
| 3 | PERMIT | 05.24.19 |

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JOB NO: 190000 | DFT: SAS | DSN: EV | CHK: CS

STATE OF TEXAS — CHRIS L. SARMIENTO — 105835 — LICENSED PROFESSIONAL ENGINEER

Date Signed: 05/24/19

| | |
|---|---|
| Project No. | 1801.74 |
| Date | 02/11/19 |
| Drawn by | JG |
| Checked by | NL |

Sheet No.

E5.2