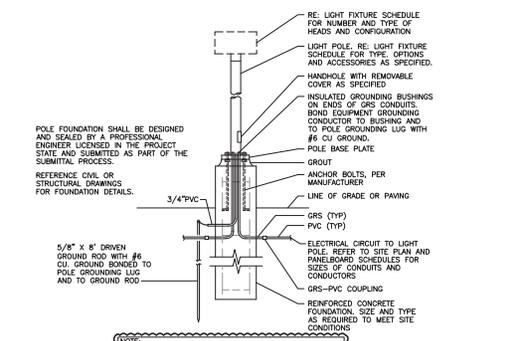


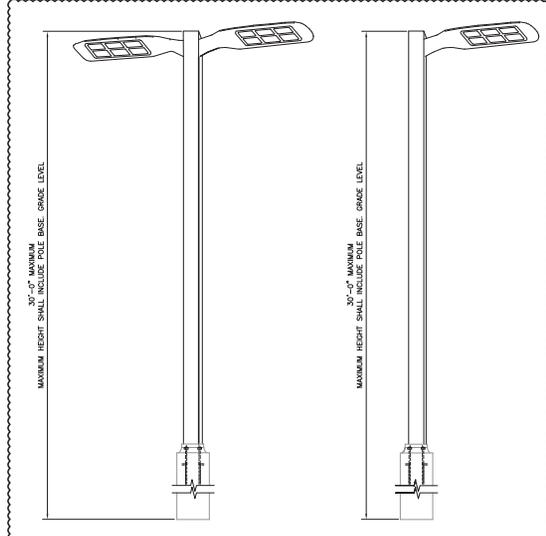
| TYPE   | MANUFACTURER/MODEL #   | EXTERIOR LIGHT FIXTURE SCHEDULE                             |        |            |          | DESCRIPTION   |
|--------|--|---|--------|------------|----------|---|
|        |  | LUMENS  | WATT   | INPUT WATT | INPUT VA |   |
| BL1    | PRISMA ARCHITECTURAL #074424-504   | F3787R/835/VECO 82 CR, 3000K 2200 LUMENS 20,000 HOURS       | 277    | 36         | 38       | NOMINAL 3" 0" TALL X 10" ROUND GRADE MOUNTED BOLLARD WITH ROUND DOME TOP. COPPER FINISH. DE-CAST ALUMINUM HOUSING AND TWIN WITH FINISHED EXTRUDED ALUMINUM COLUMNS. TEMPERED GLASS DIFFUSER, POLYMER GASKET WITH ALUMINUM REFLECTOR AND CLEAR PLEXIGLAS INTERIOR PANEL. FIXTURE SHALL BE MET LISTED TO UL LISTED FOR DAMP LOCATIONS. COMPLIANT. PROVIDE WITH UNIVERSAL VOLTAGE, HPV, PROGRAMMED-HARD START, NORMAL BALLAST FACTOR. <10RTHD. UL LISTED FOR WET LOCATIONS. MATE FINISH.   |
| DL2    | GOTHAM LIGHTING #ALD-30-22-88-277-TW OR APPROVED EQUIVALENT BY FOCAL POINT OR APPROVED EQUIVALENT BY PATHWAY LIGHTING  | WHITE LED ARRAY 85 CR, 3000K 2200 LUMENS 50,000 HOURS (L70) | 277    | 44         | 44       | NOMINAL 8" RECESSED NEW CONSTRUCTION LED DOWNLIGHT. DE-CAST ALUMINUM SELF FLANGED HOUSING. SEMI SPECULAR REFLECTOR WITH INTEGRAL LED MIRROR CHAMBER SHIELDS DIRECT VIEW OF LEDS. DIRECT VIEW OF LEDS IS NOT ACCEPTABLE. 16-PAINTED GALVANIZED STEEL MOUNTING BARS WITH 4" VERTICAL ADJUSTMENT. INTEGRAL HIGH EFFICIENCY LED DRIVER. >3000. 0-10V DIMMING. 5 YEAR WARRANTY. WHITE PAINTED FLANGE. NOMINAL 4" RECESSED NEW CONSTRUCTION LED DOWNLIGHT. DE-CAST ALUMINUM SELF FLANGED HOUSING. SEMI SPECULAR REFLECTOR WITH INTEGRAL LED MIRROR CHAMBER SHIELDS DIRECT VIEW OF LEDS. DIRECT VIEW OF LEDS IS NOT ACCEPTABLE. 16-GAUGE GALVANIZED STEEL MOUNTING BARS WITH 4" VERTICAL ADJUSTMENT. INTEGRAL HIGH EFFICIENCY LED DRIVER. >3000. 0-10V DIMMING. 5 YEAR WARRANTY. WHITE PAINTED FLANGE.   |
| DL3    | GOTHAM LIGHTING #ALD-30-10-4-48-277-TW OR APPROVED EQUIVALENT BY FOCAL POINT OR APPROVED EQUIVALENT BY PATHWAY LIGHTING  | WHITE LED ARRAY 85 CR, 3000K 1000 LUMENS 50,000 HOURS (L70) | 277    | 22         | 22       | GRADE MOUNTED LED LANDSCAPE FIXTURE WITH GROUND STAKE FOR MOUNTING. FIXTURE SHALL BE PROVIDED WITH GRADE MOUNTED LED DRIVER. COORDINATE FINISH WITH ARCHITECT PRIOR TO ORDERING. FINAL FINISH TO BE COORDINATE WITH ARCHITECT AND LANDSCAPE INSTALLER.  |
| GL1    | BLI LIGHTING #FC-LED-222-MT-11-12-44-M0LS-5K DRIVER #F29M-025-11-MT-CPC OR APPROVED EQUIVALENT BY WINDOW LIGHTING OR APPROVED EQUIVALENT BY VISTA LIGHTING                                   | WHITE LED ARRAY 85 CR, 3000K 1000 LUMENS 50,000 HOURS (L70) | 12/277 | 25         | 25       | LED STRIP ARRAY TO BE INSTALLED IN LIP OF CONCRETE BENCH. COORDINATE MOUNTING DETAILS WITH ARCHITECTURAL PLANS. VERIFY ON PLAN EXACT LENGTH OF EACH FIXTURE RUN. CONTRACTOR SHALL FURNISH AND INSTALL REARTE MOUNTED LED DRIVERS AS REQUIRED. GROUP MULTIPLE FIXTURES INTO A SINGLE DRIVER WHERE EVER APPLICABLE.   |
| ML2    | CALIFORNIA ACCENT LIGHTING #ALS200T-LFF-SP-BK-MED3-OK-80D-38/4M-MC-1-EF-NET OR APPROVED EQUIVALENT BY TIVOLI   | WHITE LED ARRAY 85 CR, 3000K 1000 LUMENS 50,000 HOURS (L70) | 12/277 | 3.0W/171   | 3.0W/171 | LED STRIP ARRAY TO BE INSTALLED IN LIP OF CONCRETE BENCH. COORDINATE MOUNTING DETAILS WITH ARCHITECTURAL PLANS. VERIFY ON PLAN EXACT LENGTH OF EACH FIXTURE RUN. CONTRACTOR SHALL FURNISH AND INSTALL REARTE MOUNTED LED DRIVERS AS REQUIRED. GROUP MULTIPLE FIXTURES INTO A SINGLE DRIVER WHERE EVER APPLICABLE.   |
| RL1-8  | PRUDENTIAL LIGHTING #PA3-STD-15-88-SAL-TW-01-SC-UNV-K7 OR APPROVED EQUIVALENT BY COOPER NED-BAY OR APPROVED EQUIVALENT BY ALERA LIGHTING   | F21W/15/835/ECO 85 CR, 3000K 2100 LUMENS 36,000 HOURS       | 277    | 81         | 84       | NOMINAL 8" LONG X 4" WIDE RECESSED CONTINUOUS STAGED ROW. FIXTURE SHALL HAVE DE-FORMED 20 GAUGE STEEL HOUSING WITH SMP-IN SATIN ACRYLIC LENS WITH WHITE FINISH. FURNISH WITH UNIVERSAL VOLTAGE, HPV, PROGRAMMED-HARD START, NORMAL BALLAST FACTOR. <10RTHD. UL LISTED FOR DAMP LOCATIONS.   |
| RL1-12 | PRUDENTIAL LIGHTING #PA3-STD-15-812-SAL-TW-01-SC-UNV-K7 OR APPROVED EQUIVALENT BY COOPER NED-BAY OR APPROVED EQUIVALENT BY ALERA LIGHTING  | F21W/15/835/ECO 85 CR, 3000K 2100 LUMENS 36,000 HOURS       | 277    | 127        | 132      | NOMINAL 12" LONG X 4" WIDE RECESSED CONTINUOUS STAGED ROW. FIXTURE SHALL HAVE DE-FORMED 20 GAUGE STEEL HOUSING WITH SMP-IN SATIN ACRYLIC LENS WITH WHITE FINISH. FURNISH WITH UNIVERSAL VOLTAGE, HPV, PROGRAMMED-HARD START, NORMAL BALLAST FACTOR. <10RTHD. UL LISTED FOR DAMP LOCATIONS.  |
| RL1-20 | PRUDENTIAL LIGHTING #PA3-STD-15-820-SAL-TW-01-SC-UNV-K7 OR APPROVED EQUIVALENT BY COOPER NED-BAY OR APPROVED EQUIVALENT BY ALERA LIGHTING  | F21W/15/835/ECO 85 CR, 3000K 2100 LUMENS 36,000 HOURS       | 277    | 201        | 208      | NOMINAL 20" LONG X 4" WIDE RECESSED CONTINUOUS STAGED ROW. FIXTURE SHALL HAVE DE-FORMED 20 GAUGE STEEL HOUSING WITH SMP-IN SATIN ACRYLIC LENS WITH WHITE FINISH. FURNISH WITH UNIVERSAL VOLTAGE, HPV, PROGRAMMED-HARD START, NORMAL BALLAST FACTOR. <10RTHD. UL LISTED FOR DAMP LOCATIONS.  |
| RL2-8  | PRUDENTIAL LIGHTING #PA2-STD-15-88-SAL-CC-D1-SC-UNV-WM OR APPROVED EQUIVALENT BY COOPER NED-BAY OR APPROVED EQUIVALENT BY ALERA LIGHTING   | F21W/15/835/ECO 85 CR, 3000K 2100 LUMENS 36,000 HOURS       | 277    | 81         | 84       | NOMINAL 8" LONG X 8" WIDE RECESSED CONTINUOUS STAGED ROW. FIXTURE SHALL HAVE DE-FORMED 20 GAUGE STEEL HOUSING WITH SMP-IN SATIN ACRYLIC LENS WITH WHITE FINISH. FURNISH WITH UNIVERSAL VOLTAGE, HPV, PROGRAMMED-HARD START, NORMAL BALLAST FACTOR. <10RTHD. UL LISTED FOR DAMP LOCATIONS. FURNISH WITH WALL MOUNTED BRACKET TO BE MOUNTED TO CONCRETE STRUCTURE PER ARCHITECTURAL DETAILS. COORDINATE EXACT FINISH WITH ARCHITECT PRIOR TO ORDERING.  |
| RL2-12 | PRUDENTIAL LIGHTING #PA2-STD-15-812-SAL-TW-01-SC-UNV-WM OR APPROVED EQUIVALENT BY COOPER NED-BAY OR APPROVED EQUIVALENT BY ALERA LIGHTING  | F21W/15/835/ECO 85 CR, 3000K 2100 LUMENS 36,000 HOURS       | 277    | 127        | 132      | NOMINAL 12" LONG X 8" WIDE RECESSED CONTINUOUS STAGED ROW. FIXTURE SHALL HAVE DE-FORMED 20 GAUGE STEEL HOUSING WITH SMP-IN SATIN ACRYLIC LENS WITH WHITE FINISH. FURNISH WITH UNIVERSAL VOLTAGE, HPV, PROGRAMMED-HARD START, NORMAL BALLAST FACTOR. <10RTHD. UL LISTED FOR DAMP LOCATIONS. FURNISH WITH WALL MOUNTED BRACKET TO BE MOUNTED TO CONCRETE STRUCTURE PER ARCHITECTURAL DETAILS. COORDINATE EXACT FINISH WITH ARCHITECT PRIOR TO ORDERING.   |
| RL2-20 | PRUDENTIAL LIGHTING #PA2-STD-15-820-SAL-TW-01-SC-UNV-WM OR APPROVED EQUIVALENT BY COOPER NED-BAY OR APPROVED EQUIVALENT BY ALERA LIGHTING  | F21W/15/835/ECO 85 CR, 3000K 2100 LUMENS 36,000 HOURS       | 277    | 201        | 208      | NOMINAL 20" LONG X 8" WIDE RECESSED CONTINUOUS STAGED ROW. FIXTURE SHALL HAVE DE-FORMED 20 GAUGE STEEL HOUSING WITH SMP-IN SATIN ACRYLIC LENS WITH WHITE FINISH. FURNISH WITH UNIVERSAL VOLTAGE, HPV, PROGRAMMED-HARD START, NORMAL BALLAST FACTOR. <10RTHD. UL LISTED FOR DAMP LOCATIONS. FURNISH WITH WALL MOUNTED BRACKET TO BE MOUNTED TO CONCRETE STRUCTURE PER ARCHITECTURAL DETAILS. COORDINATE EXACT FINISH WITH ARCHITECT PRIOR TO ORDERING.   |
| RL3    | PRUDENTIAL LIGHTING #PA2-STD-04-04-SAL-TW-01-SC-UNV-0488 OR APPROVED EQUIVALENT BY COOPER NED-BAY OR APPROVED EQUIVALENT BY ALERA LIGHTING   | F28W/15/835/ECO 85 CR, 3000K 2900 LUMENS 36,000 HOURS       | 27     | 33         | 34       | NOMINAL 4" LONG X 4" WIDE PENDANT MOUNTED LINEAR FLUORESCENT. FIXTURE SHALL HAVE DE-FORMED 20 GAUGE STEEL HOUSING WITH SMP-IN SATIN ACRYLIC LENS WITH WHITE FINISH. FURNISH WITH UNIVERSAL VOLTAGE, HPV, PROGRAMMED-HARD START, NORMAL BALLAST FACTOR. <10RTHD. UL LISTED FOR DAMP LOCATIONS. FURNISH WITH 48" AIRCRAFT CABLE AND FIELD ADJUST TO BE MOUNTED SO THAT BOTTOM OF FIXTURE IS 9'-0" AFF.  |
| SL1    | LITHONIA LIGHTING - D SERIES SIZE 2 #SD2 LED-1-1208530/40K-FT-277-SP-5F-DWVD LITHONIA LIGHTING - STANDARD STEEL POLE #SS-30-0.0X0.0-188-0428S-DNA MOUNTING - SINGLE (FIXTURE 180 CONNECTION) | 120 LED ARRAY 4000K 18,843 LUMENS 67 CR 25,000HRS @ 92LM/F  | 277    | 210        | 211      | NOMINAL 40" LONG X 15" WIDE LOW PROFILE CAST ALUMINUM SITE LIGHT FIXTURE. FIXTURE SHALL BE PROVIDED WITH 30" STEEL SQUARE POLE MOUNT ON A CONCRETE BASE. DRIVER SHALL BE A 27V ELECTRONIC DRIVER. 520MA DRIVE CURRENT WITH GREATER THAN A 90% POWER FACTOR AND GREATER THAN 200 THD. FIXTURE SHALL BE PROVIDED WITH INTEGRAL LOW SURGE SUPPRESSION PROTECTION STANDARD. ELECTRICAL CONNECTION HOUSING SHALL BE INTERNAL TO FIXTURE. WEATHER TIGHT AND EASILY ACCESSIBLE FOR QUICK CONNECTION. FIXTURE SHALL BE UL LISTED FOR WET LOCATIONS. FIXTURE AND POLE FINISH SHALL BE NATURAL ALUMINUM. FIXTURE SHALL BE MOUNTED AS A SINGLE FIXTURE BUT SHALL PATTERNS SHALL BE FOR 2 FIXTURES AT 180 DEGREES FOR THE ADDITION OF FIXTURE. PROVIDE ALL NECESSARY MOUNTING BRACKETS AS REQUIRED FOR A COMPLETE INSTALLATION. REFER TO STRUCTURE PLANS FOR POLE BASE DETAILS AND DIMENSIONS. ADJUST POLE HEIGHT TO ENSURE FIXTURE DOES NOT EXCEED 30'-0" ABOVE GRADE MAXIMUM. |
| SL2    | LITHONIA LIGHTING - D SERIES SIZE 2 #2 - DSX2 LED-1-1208530/40K-9FS-277-SP-5F-DWVD LITHONIA LIGHTING - STANDARD STEEL POLE #SS-30-0.0X0.0-188-0428S-DNA MOUNTING - DOUBLE                    | 240 LED ARRAY 4000K 18,843 LUMENS 67 CR 25,000HRS @ 92LM/F  | 277    | 420        | 422      | NOMINAL 40" LONG X 15" WIDE LOW PROFILE CAST ALUMINUM SITE LIGHT FIXTURE. FIXTURE SHALL BE PROVIDED WITH 30" STEEL SQUARE POLE MOUNT ON A CONCRETE BASE. DRIVER SHALL BE A 27V ELECTRONIC DRIVER. 520MA DRIVE CURRENT WITH GREATER THAN A 90% POWER FACTOR AND GREATER THAN 200 THD. FIXTURE SHALL BE PROVIDED WITH INTEGRAL LOW SURGE SUPPRESSION PROTECTION STANDARD. ELECTRICAL CONNECTION HOUSING SHALL BE INTERNAL TO FIXTURE. WEATHER TIGHT AND EASILY ACCESSIBLE FOR QUICK CONNECTION. FIXTURE SHALL BE UL LISTED FOR WET LOCATIONS. FIXTURE AND POLE FINISH SHALL BE NATURAL ALUMINUM. FIXTURE SHALL BE MOUNTED AS A DOUBLE (BACK TO BACK) FIXTURE. PROVIDE ALL NECESSARY MOUNTING BRACKETS AS REQUIRED FOR A COMPLETE INSTALLATION. REFER TO STRUCTURE PLANS FOR POLE BASE DETAILS AND DIMENSIONS. ADJUST POLE HEIGHT TO ENSURE FIXTURE DOES NOT EXCEED 30'-0" ABOVE GRADE MAXIMUM.  |
| WP1    | LITHONIA LIGHTING #FST LED-3-10470/40K-583-M0LT-0080D OR APPROVED EQUIVALENT BY MCGRAW / EDISON OR APPROVED EQUIVALENT BY NIBELCO  | 20 LED ARRAY 4000K 4028 LUMENS, 70 CR                       | 277    | 47         | 47       | NOMINAL 16" 8" LED WALL SCIENCE. FIXTURE SHALL BE SURFACE MOUNTED TO FACE OF MASONRY WALL WITH BOTTOM OF FIXTURE MOUNTED 9'-0" ABOVE FINISHED GRADE. FINISH SHALL BE DARK BRONZE.   |

**GENERAL NOTES:**  
A. ANY PROPRIETARY, SOURCE-SPECIFIED LIGHT FIXTURE LISTED IN THE LIGHT FIXTURE SCHEDULE SHALL BE UNPRICED ONLY. NO PACKAGING OR LOT PRICING OF THESE.  
B. LIGHT FIXTURES SHALL BE ALLOWED. UNIT PRICES SHALL BE CLEARLY IDENTIFIED ON THE BID FORM.  
C. REFERENCE TO THIS SHEET SHALL BE MADE TO OTHER SHEETS REFERRED TO BY THIS SHEET.  
D. PACKAGING OF LIGHT FIXTURES WILL NOT BE CONSIDERED OR APPROVED.  
E. LIGHTING CONTROL PANELS, INCLUDING BUT NOT LIMITED TO DIMMER AND 0/10V, SHALL BE COMPLETELY SEPARATE OF ANY LIGHT FIXTURE. ANY LIGHTING CONTROLS TERMS AND LIMITATIONS OF M.P. IS SUBMITTED WITH LIGHT FIXTURE PRICING (UNTIL OR WITH-LOT) WILL BE IMMEDIATELY REJECTED IN ITS ENTIRETY.  
F. VERIFY CEILING CONDITIONS AND COORDINATE LIGHT FIXTURE MOUNTING HANGWARE AND TRIMS NEEDED TO SUIT CEILING CONDITIONS PRIOR TO ORDERING.  
G. VERIFY QUANTITIES, MODEL NUMBERS AND DESCRIPTIONS WITH MANUFACTURER PRIOR TO PLACING ORDER.  
H. VERIFY FINISH AND COLOR WITH ARCHITECT PRIOR TO PLACING ORDER.  
I. REFER TO ARCHITECTURAL DRAWINGS AND DETAILS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND ADDITIONAL MOUNTING INFORMATION. CONTACT ARCHITECT IMMEDIATELY IF THERE ARE DISCREPANCIES BETWEEN THE ARCHITECTURAL AND ELECTRICAL LIGHTING PLANS.  
J. CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBERS ONLY. FIRST READ THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS IN CONJUNCTION WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.  
K. CONTRACTOR SHALL PROVIDE ALL LIGHT FIXTURES UNLESS NOTED OTHERWISE.  
L. REFER TO DIVISION 28 SPECIFICATIONS FOR ACCEPTABLE LAMP AND BALLAST MANUFACTURERS AND ADDITIONAL INFORMATION.  
M. REFER TO LIGHTING RATED SCHEDULE AND PANELBOARD SCHEDULES FOR CONTROL INFORMATION.

**NOTES:**  
1. CATALOG NUMBER REPRESENTS MANUFACTURER LISTED FIRST. OTHER MANUFACTURERS LISTED ARE CONSIDERED EQUIVALENT FOR SUBSTITUTION.  
2. DUE TO METRIC OR PERFORMANCE CRITERIA SPECIFIED MANUFACTURER SHALL BE THE ONLY MANUFACTURER ALLOWED TO BID UNLESS OTHERWISE APPROVED BY ARCHITECT.  
3. CONTRACTOR SHALL SUPPLY A COMPLETE AND OPERATIONAL SYSTEM TO COMPLY WITH DESIGN INTENT.  
4. PROVIDE FACTORY-INSTALLED MAXIMUM WATTAGE LABEL ON EACH SHADING FLUORESCENT LAMPED LIGHT FIXTURES THAT CORRESPOND TO THE MAXIMUM WATTAGE INDICATED IN THE LIGHT FIXTURE SCHEDULE.  
5. CONFIRM FINAL FIXTURE LENGTHS WITH FIELD-CONFIRMED CONDITIONS PRIOR TO ORDERING.  
6. REFER TO POLE BASE DETAILS FOR ADDITIONAL INFORMATION.



1 POLE BASE DETAIL NO SCALE



3 TYPE SL2 POLE NO SCALE

2 TYPE SL1 POLE NO SCALE

NOTE: THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS ABBREVIATIONS, ETC. ARE NECESSARILY LISTED ON THE DRAWINGS.

**ELECTRICAL SYMBOLS**

- LIGHTING**
- Light fixture symbol: SEE LIGHT FIXTURE SCHEDULE
  - Light fixture with night light symbol: LIGHT FIXTURE WITH NIGHT LIGHT
  - Emergency light fixture symbol: EMERGENCY LIGHT FIXTURE WITH EMERGENCY LIGHTING BATTERY PACK OR CONNECTED TO EMERGENCY SOURCE
  - Light fixture with dual ballasts symbol: LIGHT FIXTURE WITH DUAL BALLASTS CIRCUITED SEPARATELY (SHOWING IMPLIES EMERGENCY LIGHT FIXTURES)
  - Lighting track symbol: LIGHTING TRACK WITH LIGHT FIXTURE TYPES AS INDICATED
  - Mirror lighting symbol: MIRROR LIGHTING
  - Site lighting symbol: SITE LIGHTING FIXTURE
  - Exit sign symbol: EXIT SIGN - CEILING / WALL MOUNTED, ARROWS AS INDICATED
  - Emergency battery pack symbol: EMERGENCY BATTERY PACK LIGHT FIXTURE - CEILING/WALL MOUNTED
  - Evaluation assistive sign symbol: AREA (AREA FOR EVALUATION ASSISTIVE) SIGN - CEILING/WALL MOUNTED, ARROWS AS INDICATED

**SECURITY**

- GPU & monitor symbol: GPU & MONITOR (ELEVATION) WITH PERIPHERAL DEVICES
- GPU & monitor (plan view) symbol: GPU & MONITOR (PLAN VIEW) WITH PERIPHERAL DEVICES
- Closed circuit television symbol: CLOSED CIRCUIT TELEVISION
- CCTV (plan view) symbol: CCTV (PLAN VIEW) ROOM
- Request to exit button symbol: REQUEST TO EXIT BUTTON
- Electric door lock symbol: ELECTRIC DOOR LOCK
- Panic button symbol: PANIC BUTTON (D= DESK W= WALL F= FLOOR)
- Card reader symbol: CARD READER
- Door monitor symbol: DOOR MONITOR
- Glass break symbol: GLASS BREAK
- Key pad symbol: KEY PAD
- Motion detector symbol: MOTION DETECTOR
- Watch tower symbol: WATCH TOWER

**STANDARD MOUNTING HEIGHTS** (WT. APL. UNLESS NOTED OTHERWISE)

| DESCRIPTION                               | HEIGHT           |
|---|------------------|
| ADJUSTABLE APPLIANCES (CENTERLINE)        | 64"              |
| ALARMS                                    | 48"              |
| ANNUNCIATOR PANELS                        | 48"              |
| CLOCK OUTLETS (CENTERLINE)                | 84"              |
| CONTROLS (CENTERLINE)                     | 48"              |
| EXIT SIGNS (WALL MOUNTED, BOTTOM)         | 60"              |
| FIRE ALARM ANNUNCIATOR PANEL (DISPLAY)    | 120"             |
| FIRE ALARM BELL (EXTERIOR)                | 60"              |
| FIRE ALARM CONTROL PANEL (JAMT (DISPLAY)  | 60"              |
| INTERCOM (AREA ONLY)                      | 36"              |
| INTERCOMS                                 | 48"              |
| PANELS/PANELBOARDS (TOP)                  | 72"              |
| PULL STATIONS (HANDLE)                    | 48"              |
| PHOTOCOPIERS (CENTERLINE)                 | 144"             |
| RECEPTACLES (CENTERLINE)                  | 18"              |
| RECEPTACLES (EXTERIOR)                    | 24"              |
| RECEPTACLES (GARAGES)                     | 28"              |
| RECEPTACLES IN EQUIPMENT ROOMS            | 48"              |
| REMOTE INDICATING LIGHT (EQUIPMENT ROOMS) | 48"              |
| REMOTE INDICATING LIGHT (FINISHED AREAS)  | CEILING          |
| SAFETY SWITCHES                           | 48"              |
| SWITCHES                                  | 48"              |
| SWITCHES (CENTERLINE)                     | 48"              |
| TELEPHONES (PUBLIC)                       | 1 @ 48", 1 @ 36" |
| TELEPHONE DATA OUTLETS (CENTERLINE)       | 18"              |
| TELEPHONE TERMINAL BOARD (BOTTOM)         | 6"               |
| TELEVISION OUTLETS                        | 64"              |
| VISIBLE APPLIANCES (CENTERLINE)           | 84"              |

ARCHITEKTION

464 S Farmer Ave., Suite 101  
Tempe AZ, 85281  
T 480.304.4837  
F 480.304.4038  
www.architekton.com

**HENDERSON ENGINEERS**  
7330 NORTH 16TH STREET, SUITE 110  
PHOENIX, AZ 85024  
TEL 602.259.5200 FAX 602.259.5201  
www.henderson-engineers.com  
15900123 1/04/04  
42 CONSTRUCTION PERMITS  
ISSUED 04/30/13

MULTI-GENERATIONAL CENTER AND AQUATICS FACILITY  
City of Maricopa

No Description | Date  
ORR COMMENTS 08/01/12

PERMIT SET  
07/27/2012

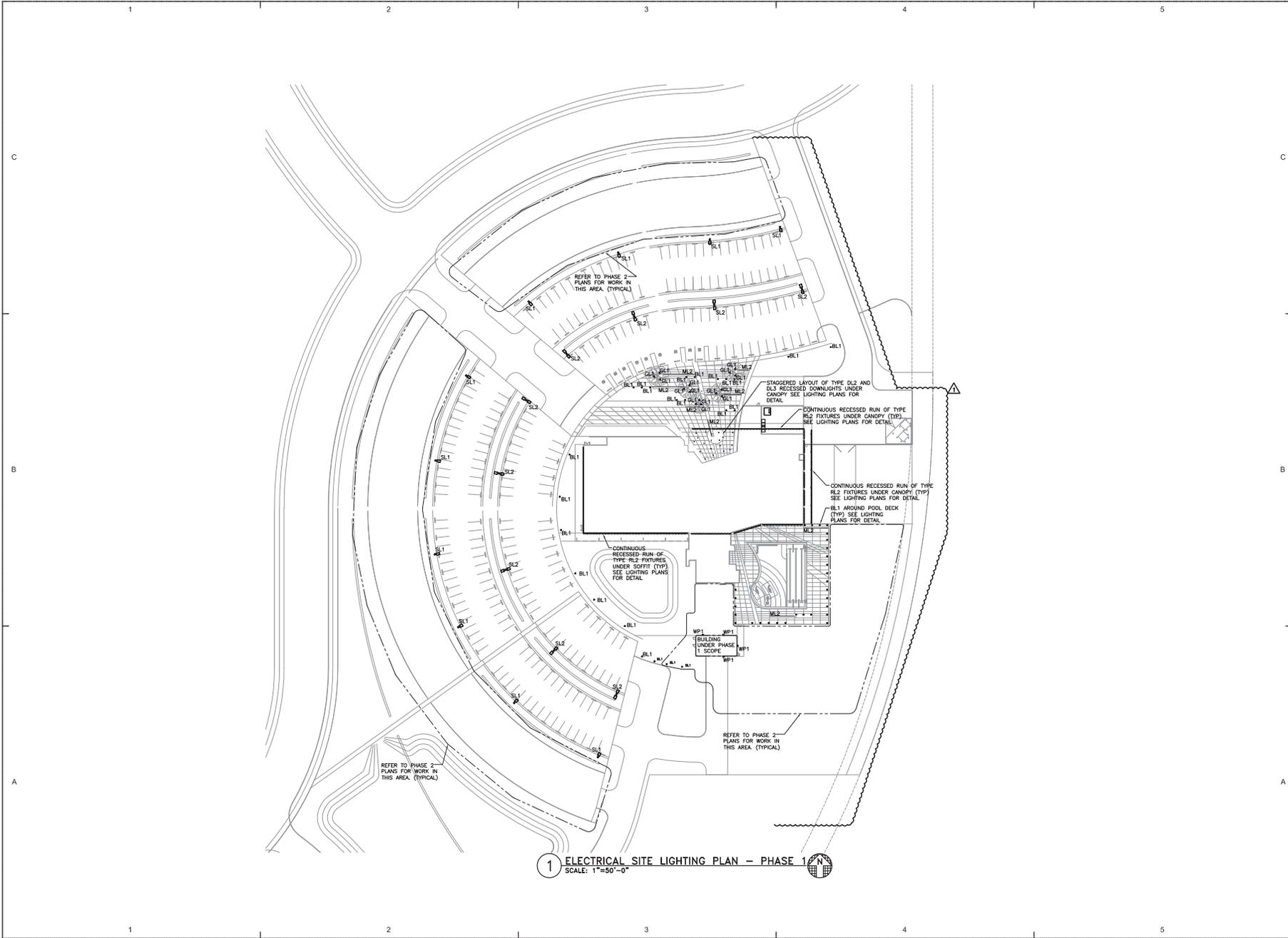
ELECTRICAL NOTES & SYMBOLS  
**ES-001**

OMD, M. NOTIFIED

| No | Description | Date     |
|----|-------------|----------|
| 1  | COMMENTS    | 08/01/12 |

PERMIT SET  
07/27/2012

ELECTRICAL SITE  
LIGHTING PLAN  
PHASE 1  
**ES-051A**



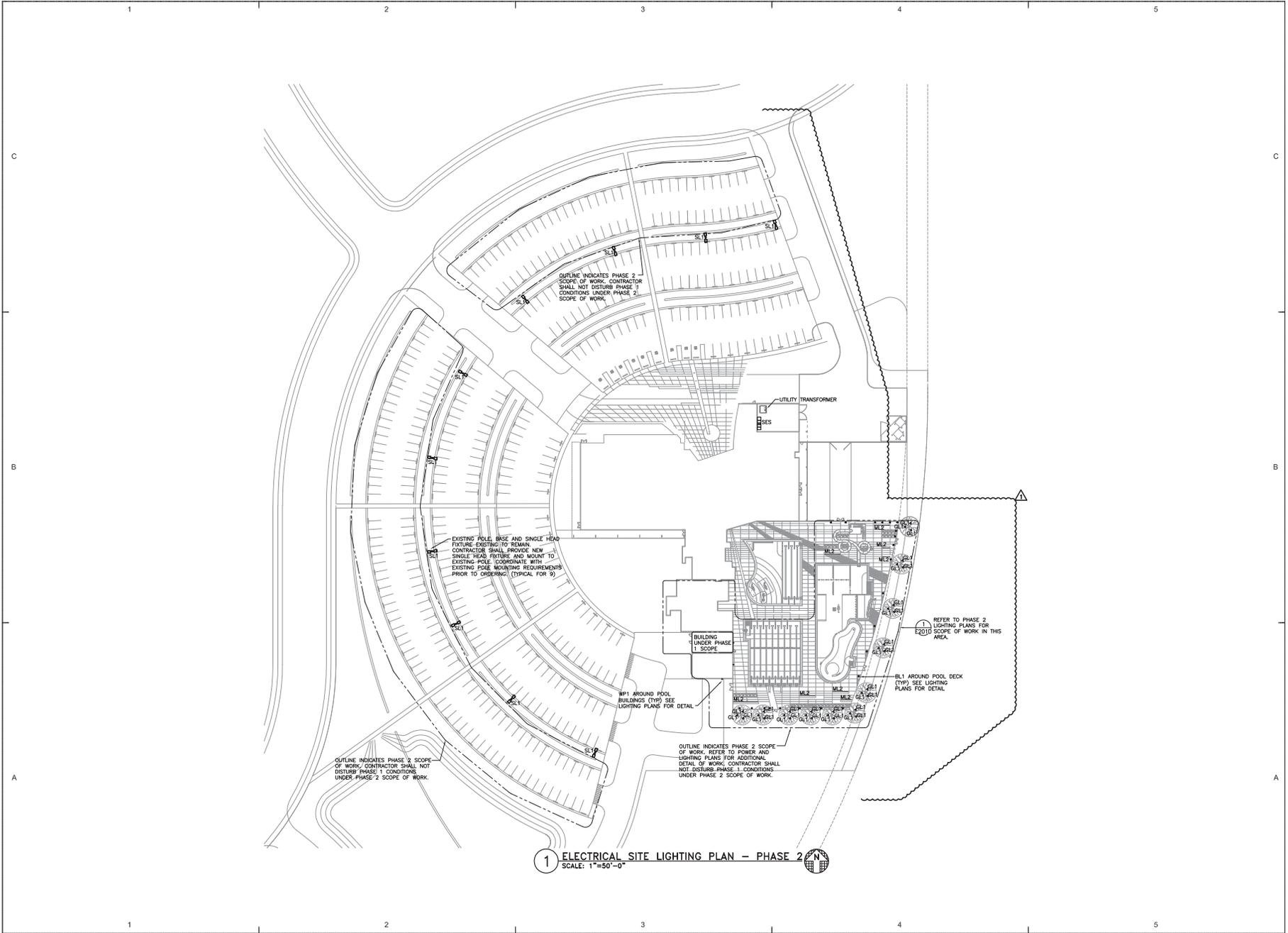
1 ELECTRICAL SITE LIGHTING PLAN - PHASE 1  
SCALE: 1"=50'-0"

| No. | Description  | Date     |
|-----|--------------|----------|
| 1   | DRB COMMENTS | 08/01/12 |

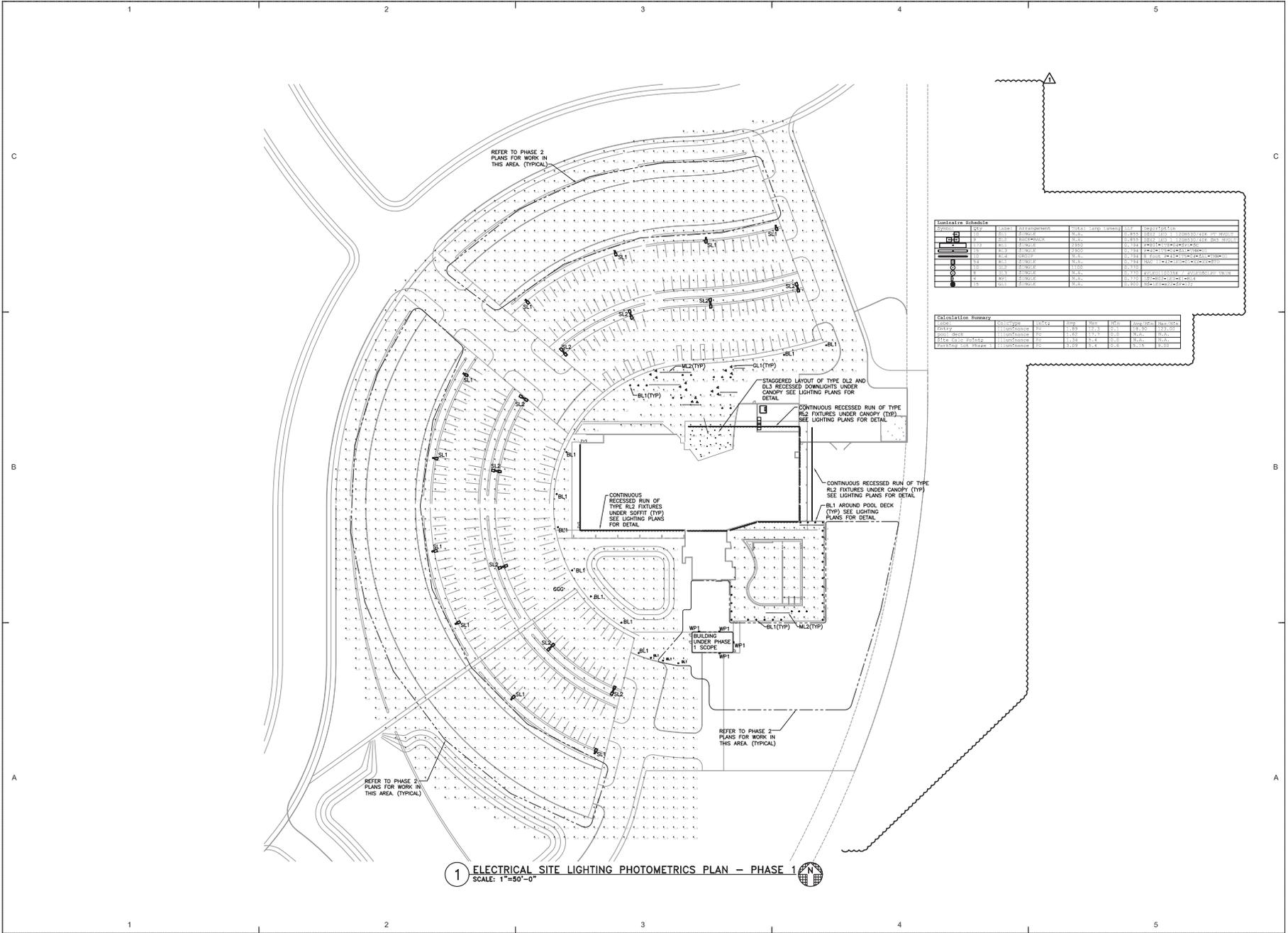
PERMIT SET  
07/27/2012

ELECTRICAL SITE  
LIGHTING PLAN  
PHASE 2

ES-051B



| No. | Description  | Date     |
|-----|--------------|----------|
| 1   | DRB COMMENTS | 08/01/12 |

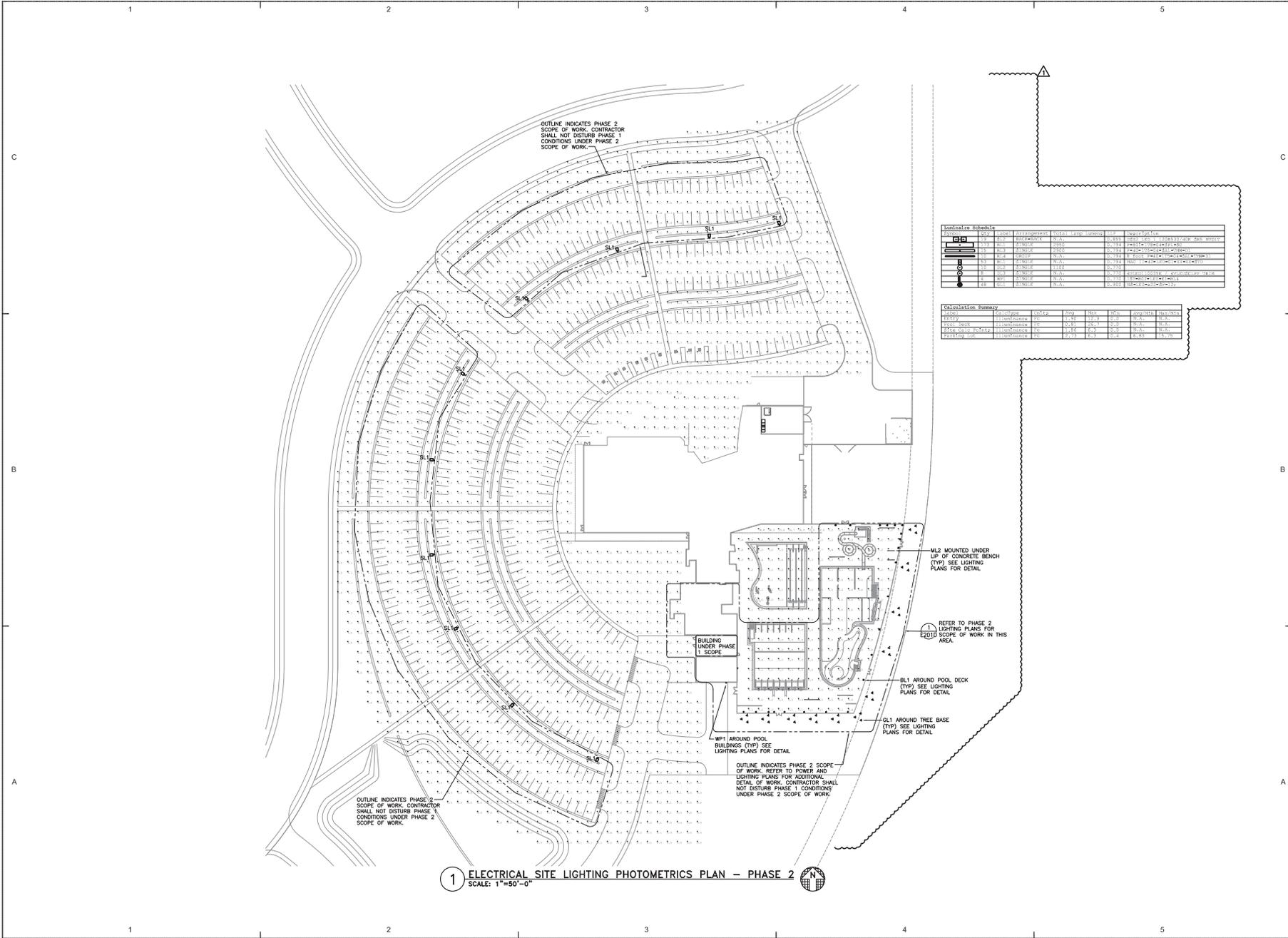


| Symbol | Qty | Model | Manufacturer | Total Lamp Lumens | WSP  | Height (ft) | Beam Spread (ft) | Beam Spread (deg) | WSP  | WSP  |
|--------|-----|-------|--------------|-------------------|------|-------------|------------------|-------------------|------|------|
| BL1    | 200 | 200   | 200          | 30,000            | 0.85 | 10          | 10               | 10                | 0.85 | 0.85 |
| BL2    | 100 | 100   | 100          | 15,000            | 0.85 | 10          | 10               | 10                | 0.85 | 0.85 |
| SL1    | 100 | 100   | 100          | 15,000            | 0.85 | 10          | 10               | 10                | 0.85 | 0.85 |
| SL2    | 100 | 100   | 100          | 15,000            | 0.85 | 10          | 10               | 10                | 0.85 | 0.85 |
| DL1    | 100 | 100   | 100          | 15,000            | 0.85 | 10          | 10               | 10                | 0.85 | 0.85 |
| DL2    | 100 | 100   | 100          | 15,000            | 0.85 | 10          | 10               | 10                | 0.85 | 0.85 |
| WP1    | 100 | 100   | 100          | 15,000            | 0.85 | 10          | 10               | 10                | 0.85 | 0.85 |

| Symbol | Qty | Model | Manufacturer | Total Lamp Lumens | WSP  | Height (ft) | Beam Spread (ft) | Beam Spread (deg) | WSP  | WSP  |
|--------|-----|-------|--------------|-------------------|------|-------------|------------------|-------------------|------|------|
| BL1    | 200 | 200   | 200          | 30,000            | 0.85 | 10          | 10               | 10                | 0.85 | 0.85 |
| BL2    | 100 | 100   | 100          | 15,000            | 0.85 | 10          | 10               | 10                | 0.85 | 0.85 |
| SL1    | 100 | 100   | 100          | 15,000            | 0.85 | 10          | 10               | 10                | 0.85 | 0.85 |
| SL2    | 100 | 100   | 100          | 15,000            | 0.85 | 10          | 10               | 10                | 0.85 | 0.85 |
| DL1    | 100 | 100   | 100          | 15,000            | 0.85 | 10          | 10               | 10                | 0.85 | 0.85 |
| DL2    | 100 | 100   | 100          | 15,000            | 0.85 | 10          | 10               | 10                | 0.85 | 0.85 |
| WP1    | 100 | 100   | 100          | 15,000            | 0.85 | 10          | 10               | 10                | 0.85 | 0.85 |

1 ELECTRICAL SITE LIGHTING PHOTOMETRICS PLAN - PHASE 1  
SCALE: 1"=50'-0"

| No. | Description  | Date     |
|-----|--------------|----------|
| 1   | DRB COMMENTS | 08/01/12 |



**Luminaire Schedule**

| Qty | Model | Arrangement     | Watt | Lamp | Notes           | Typ   | Notes           |
|-----|-------|-----------------|------|------|-----------------|-------|-----------------|
| 100 | BL1   | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL1   | 1000mm x 1000mm |
| 100 | BL2   | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL2   | 1000mm x 1000mm |
| 100 | BL3   | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL3   | 1000mm x 1000mm |
| 100 | BL4   | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL4   | 1000mm x 1000mm |
| 100 | BL5   | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL5   | 1000mm x 1000mm |
| 100 | BL6   | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL6   | 1000mm x 1000mm |
| 100 | BL7   | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL7   | 1000mm x 1000mm |
| 100 | BL8   | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL8   | 1000mm x 1000mm |
| 100 | BL9   | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL9   | 1000mm x 1000mm |
| 100 | BL10  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL10  | 1000mm x 1000mm |
| 100 | BL11  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL11  | 1000mm x 1000mm |
| 100 | BL12  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL12  | 1000mm x 1000mm |
| 100 | BL13  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL13  | 1000mm x 1000mm |
| 100 | BL14  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL14  | 1000mm x 1000mm |
| 100 | BL15  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL15  | 1000mm x 1000mm |
| 100 | BL16  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL16  | 1000mm x 1000mm |
| 100 | BL17  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL17  | 1000mm x 1000mm |
| 100 | BL18  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL18  | 1000mm x 1000mm |
| 100 | BL19  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL19  | 1000mm x 1000mm |
| 100 | BL20  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL20  | 1000mm x 1000mm |
| 100 | BL21  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL21  | 1000mm x 1000mm |
| 100 | BL22  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL22  | 1000mm x 1000mm |
| 100 | BL23  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL23  | 1000mm x 1000mm |
| 100 | BL24  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL24  | 1000mm x 1000mm |
| 100 | BL25  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL25  | 1000mm x 1000mm |
| 100 | BL26  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL26  | 1000mm x 1000mm |
| 100 | BL27  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL27  | 1000mm x 1000mm |
| 100 | BL28  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL28  | 1000mm x 1000mm |
| 100 | BL29  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL29  | 1000mm x 1000mm |
| 100 | BL30  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL30  | 1000mm x 1000mm |
| 100 | BL31  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL31  | 1000mm x 1000mm |
| 100 | BL32  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL32  | 1000mm x 1000mm |
| 100 | BL33  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL33  | 1000mm x 1000mm |
| 100 | BL34  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL34  | 1000mm x 1000mm |
| 100 | BL35  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL35  | 1000mm x 1000mm |
| 100 | BL36  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL36  | 1000mm x 1000mm |
| 100 | BL37  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL37  | 1000mm x 1000mm |
| 100 | BL38  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL38  | 1000mm x 1000mm |
| 100 | BL39  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL39  | 1000mm x 1000mm |
| 100 | BL40  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL40  | 1000mm x 1000mm |
| 100 | BL41  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL41  | 1000mm x 1000mm |
| 100 | BL42  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL42  | 1000mm x 1000mm |
| 100 | BL43  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL43  | 1000mm x 1000mm |
| 100 | BL44  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL44  | 1000mm x 1000mm |
| 100 | BL45  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL45  | 1000mm x 1000mm |
| 100 | BL46  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL46  | 1000mm x 1000mm |
| 100 | BL47  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL47  | 1000mm x 1000mm |
| 100 | BL48  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL48  | 1000mm x 1000mm |
| 100 | BL49  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL49  | 1000mm x 1000mm |
| 100 | BL50  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL50  | 1000mm x 1000mm |
| 100 | BL51  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL51  | 1000mm x 1000mm |
| 100 | BL52  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL52  | 1000mm x 1000mm |
| 100 | BL53  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL53  | 1000mm x 1000mm |
| 100 | BL54  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL54  | 1000mm x 1000mm |
| 100 | BL55  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL55  | 1000mm x 1000mm |
| 100 | BL56  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL56  | 1000mm x 1000mm |
| 100 | BL57  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL57  | 1000mm x 1000mm |
| 100 | BL58  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL58  | 1000mm x 1000mm |
| 100 | BL59  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL59  | 1000mm x 1000mm |
| 100 | BL60  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL60  | 1000mm x 1000mm |
| 100 | BL61  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL61  | 1000mm x 1000mm |
| 100 | BL62  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL62  | 1000mm x 1000mm |
| 100 | BL63  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL63  | 1000mm x 1000mm |
| 100 | BL64  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL64  | 1000mm x 1000mm |
| 100 | BL65  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL65  | 1000mm x 1000mm |
| 100 | BL66  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL66  | 1000mm x 1000mm |
| 100 | BL67  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL67  | 1000mm x 1000mm |
| 100 | BL68  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL68  | 1000mm x 1000mm |
| 100 | BL69  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL69  | 1000mm x 1000mm |
| 100 | BL70  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL70  | 1000mm x 1000mm |
| 100 | BL71  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL71  | 1000mm x 1000mm |
| 100 | BL72  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL72  | 1000mm x 1000mm |
| 100 | BL73  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL73  | 1000mm x 1000mm |
| 100 | BL74  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL74  | 1000mm x 1000mm |
| 100 | BL75  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL75  | 1000mm x 1000mm |
| 100 | BL76  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL76  | 1000mm x 1000mm |
| 100 | BL77  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL77  | 1000mm x 1000mm |
| 100 | BL78  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL78  | 1000mm x 1000mm |
| 100 | BL79  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL79  | 1000mm x 1000mm |
| 100 | BL80  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL80  | 1000mm x 1000mm |
| 100 | BL81  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL81  | 1000mm x 1000mm |
| 100 | BL82  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL82  | 1000mm x 1000mm |
| 100 | BL83  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL83  | 1000mm x 1000mm |
| 100 | BL84  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL84  | 1000mm x 1000mm |
| 100 | BL85  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL85  | 1000mm x 1000mm |
| 100 | BL86  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL86  | 1000mm x 1000mm |
| 100 | BL87  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL87  | 1000mm x 1000mm |
| 100 | BL88  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL88  | 1000mm x 1000mm |
| 100 | BL89  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL89  | 1000mm x 1000mm |
| 100 | BL90  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL90  | 1000mm x 1000mm |
| 100 | BL91  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL91  | 1000mm x 1000mm |
| 100 | BL92  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL92  | 1000mm x 1000mm |
| 100 | BL93  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL93  | 1000mm x 1000mm |
| 100 | BL94  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL94  | 1000mm x 1000mm |
| 100 | BL95  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL95  | 1000mm x 1000mm |
| 100 | BL96  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL96  | 1000mm x 1000mm |
| 100 | BL97  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL97  | 1000mm x 1000mm |
| 100 | BL98  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL98  | 1000mm x 1000mm |
| 100 | BL99  | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL99  | 1000mm x 1000mm |
| 100 | BL100 | 1000mm x 1000mm | 100W | LED  | 1000mm x 1000mm | BL100 | 1000mm x 1000mm |

**Calculation Summary**

| Label | Category        | Units | Qty | Watt | Volts | Current | Power  | Notes |
|-------|-----------------|-------|-----|------|-------|---------|--------|-------|
| BL1   | 1000mm x 1000mm | LED   | 100 | 100W | 120V  | 0.83A   | 12000W |       |
| BL2   | 1000mm x 1000mm | LED   | 100 | 100W | 120V  | 0.83A   | 12000W |       |
| BL3   | 1000mm x 1000mm | LED   | 100 | 100W | 120V  | 0.83A   | 12000W |       |
| BL4   | 1000mm x 1000mm | LED   | 100 | 100W | 120V  | 0.83A   | 12     |       |

