CASE #PL2021-226

OF THE WORKING DRAWINGS AND SPECIFICATIONS.

- A. EACH BIDDER SHALL EXAMINE THE BIDDING DOCUMENTS CAREFULLY AND, NOT LATER THAN SEVEN DAYS PRIOR TO THE DATE OF RECEIPT OF BIDS, SHALL MAKE WRITTEN REQUEST TO THE ARCHITECT FOR INTERPRETATION OR CORRECTION OF ANY DISCREPANCIES, AMBIGUITY, INCONSISTENCY, OR ERROR THEREIN WHICH HE MAY DISCOVER. ANY INTERPRETATION OR CORRECTION WILL BE ISSUED AS AN ADDENDUM BY THE ARCHITECT. ONLY A WRITTEN INTERPRETATION OR CORRECTION BY ADDENDUM SHALL BE BINDING. NO BIDDER SHALL RELY UPON INTERPRETATIONS OR CORRECTIONS GIVEN BY ANY OTHER METHOD. IF DISCREPANCIES, AMBIGUITY, INCONSISTENCY, OR ERROR ARE NOT COVERED BY ADDENDUM OR WRITTEN DIRECTIVE CONTRACTOR SHALL INCLUDE IN HIS BID, LABOR, MATERIALS, AND METHODS OF CONSTRUCTION RESULTING IN HIGHER COST. AFTER AWARD OF CONTRACT, NO ALLOWANCE OR EXTRA COMPENSATION WILL BE MADE IN BEHALF OF THE CONTRACTOR DUE TO HIS FAILURE TO MAKE THE
- WRITTEN REQUESTS AS DESCRIBED ABOVE. B. THE PERSON SUBMITTING THE REQUEST WILL BE RESPONSIBLE FOR ITS PROMPT DELIVERY. FAILURE TO SO REQUEST CLARIFICATION OF ANY INADEQUACY, OMISSION, OR CONFLICT WILL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY. THE SIGNING OF THE CONTRACT WILL BE CONSIDERED AS IMPLICITLY

DENOTING THAT THE CONTRACTOR HAS A THOROUGH COMPREHENSION OF THE FULL INTENT AND SCOPE

- C. CONTRACTOR SHALL VISIT SITE PRIOR TO BID AND VERIFY THAT CONDITIONS ARE AS INDICATED. CONTRACTOR SHALL INCLUDE IN HIS BID, COSTS REQUIRED TO MAKE HIS WORK MEET EXISTING CONDITIONS.
- D. WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER TO THE SATISFACTION OF THE ARCHITECT. E. WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE, AND
- NATIONAL CODES AND ORDINANCES. F. PROVIDE PERMITS AND INSPECTIONS REQUIRED.
- G. GUARANTEE THE INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP WHICH MAY OCCUR UNDER NORMAL USAGE FOR A PERIOD OF ONE YEAR AFTER OWNER'S ACCEPTANCE. DEFECTS SHALL BE PROMPTLY REMEDIED WITHOUT COST TO THE OWNER. H. SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. IF TESTS SHOW THAT WORK IS DEFECTIVE,
- CONTRACTOR SHALL MAKE CORRECTIONS NECESSARY AT NO COST TO OWNER. PROVIDE EXTERIOR PULL BOXES AND HANDHOLES AS REQUIRED TO COMPLETE WORK INDICATED. SPLICES IN EXTERIOR PULL BOXES AND HANDHOLES SHALL BE MADE WATERPROOF USING "SCOTCHCAST" SPLICE KIT OR APPROVED EQUAL. SEAL ENDS OF CONDUITS AND DUCTS WITH "DUCTSEAL" OR APPROVED EQUAL. J. PROVIDE ELECTRICAL DEMOLITION REQUIRED. REFER TO CIVIL DEMOLITION DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS. CONTRACTOR SHALL VISIT SITE PRIOR TO BID TO DETERMINE EXTENT OF
- WORK INVOLVED. PROVIDE LABOR AND MATERIALS AS REQUIRED TO MAINTAIN AND/OR RESTORE CONTINUITY OF SERVICE TO EXISTING CIRCUITS. K. SYSTEM OUTAGES AND SERVICE/FEEDER CUTOVERS SHALL BE PERMITTED ONLY AT TIMES APPROVED BY OWNER, IN WRITING. WORK WHICH COULD RESULT IN AN ACIDENTAL OUTAGE (BEYOND BRANCH CIRCUITS)
- SHALL BE PERFORMED WITH THE OWNER'S MAINTENANCE PERSONNEL ADVISED OF SUCH WORK. L. SERVICE SHALL BE MAINTAINED TO EXISTING AREAS DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE PORTABLE GENERATORS, CABLES, OUTLETS, ETC., AS REQUIRED TO MAINTAIN CONTINUITY OF

SERVICE. PLACEMENT OF SUCH PORTABLE EQUIPMENT SHALL BE SUBJECT TO OWNER APPROVAL.

## ELECTRICAL SHEET INDEX

|       | ELECTRICAL SHEET INDEX                           |
|-------|--|
| E0.0H | ELECTRICAL HOTEL TITLE SHEET                     |
| E0.1H | ELECTRICAL HOTEL PARKING LOT PHOTOMETRIC         |
| E0.2H | ELECTRICAL HOTEL PARKING LOT PHOTOMETRIC         |
| E0.3H | ELECTRICAL HOTEL PARKING LOT PHOTOMETRIC DETAILS |
| E0.4H | ELECTRICAL HOTEL DEMOLITION PLAN                 |
| E0.5H | ELECTRICAL HOTEL SITE PLAN                       |

| 2W                | 2 WIRE (NUMBER DENOTES QUANTITY)  |
|-------------------|---|
| 72"               | MOUNTING HEIGHT (CENTERLINE TO FLOOR OR GRADE)  |
| AC                | AMPERE ABOVE COUNTER  |
| AFCI              | AMP FRAME ARC FAULT CIRCUIT INTERRUPTER   |
| AFF<br>AIC        | ABOVE FINISHED FLOOR  AMPERE INTERRUPTING CAPACITY                                      |
| AL<br>ARCH        | ALUMINUM ARCHITECT(URAL)  |
| AS<br>AT          | AMP SWITCH AMP TRIP   |
| ATS<br>AV         | AUTOMATIC TRANSFER SWITCH AUDIO VISUAL  |
| AWG               | AMERICAN WIRE GAUGE   |
| BCE<br>BLDG       | BUILDING CONTROLLER ENCLOSURE BUILDING  |
| С                 | CONDUIT   |
| CATV<br>CB        | CABLE TELEVISION  CIRCUIT BREAKER   |
| CCTV<br>CD        | CLOSED CIRCUIT TELEVISION CANDELA   |
| CKT<br>CLG        | CIRCUIT<br>CELING   |
| CONN              | CONNECTION CONTINU(E) (OUS) (UED) (ATION)   |
| CONTR<br>CP       | CONTRACTOR CORD AND PLUG  |
| CT<br>CTE         | CURRENT TRANSFORMER CONNECT TO EXISTING   |
| CU                | COPPER  |
| DC<br>DISC        | DIRECT CURRENT DISCONNECT   |
| DOWN<br>DSD       | DOWN DUCT SMOKE DETECTOR  |
| DWG<br>Δ          | DRAWING DELTA   |
| EC                | ELECTRICAL CONTRACTOR   |
| EMT<br>EOL        | ELECTRICAL CONTRACTOR  ELECTRICAL METALLIC TUBING  END OF LINE                          |
| EWC<br>EXIST      | END OF LINE  ELECTRIC WATER COOLER  EXISTING  |
|                   |   |
| FA<br>FBO<br>FLA  | FIRE ALARM FURNISHED BY OTHERS FULL LOAD AMPS   |
| FMC               | FLEXIBLE METALLIC CONDUIT   |
| FUSW              | FUSE/SWITCH RATINGS (AMPS)  |
| GC<br>GFCI        | GENERAL CONTRACTOR  GROUND FAULT CIRCUIT INTERRUPTER  CROUND FAULT PROTECTION FOUNDMENT |
| GFPE<br>GND       | GROUND FAULT PROTECTION EQUIPMENT  GROUND  GRANARIZED RIGID CONDUIT                     |
| GRC               | GALVANIZED RIGID CONDUIT  |
| HOA<br>HP         | HAND-OFF-AUTO SWITCH HORSEPOWER   |
| HVAC<br>HZ        | HEATING, VENILATING, AND AIR CONDITIONING HERTZ   |
| IAM               | INDIVIDUAL ADDRESSABLE MODULE   |
| IG<br>IMC         | ISOLATED GROUIND INTERMEDIATE METALLIC CONDUIT  |
| JB                | JUNCTION BOX  |
| KCMIL             | THOUSAND CIRCULAR MILS  |
| KVA<br>KVAR<br>KW | KILOVOLT AMPERE KILOVOLT AMPERE REACTIVE KILOWATT                                       |
| LFMC              | LIQUID TIGHT FLEXIBLE METALLIC CONDUIT  |
| LFNC<br>LTG       | LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT  LIGHTING                                     |
| MAG               | MAGNETIC MAYIMIM  |
| MAX<br>MC         | MAXIMUM METAL CLAD CABLE MINIMUM CIDCUIT AMPS   |
| MCA<br>MCB        | MINIMUM CIRCUIT AMPS  MAIN CIRCUIT BREAKER  MOTOR CONTROL CENTER                        |
| MCC<br>MDP        | MOTOR CONTROL CENTER  MAIN DISTRIBUTION PANEL   |
| MIN<br>MISC       | MINIMUM MISCELLANEOUS   |
| MLO<br>MOCP       | MAIN LUGS ONLY  MAXIMUM OVERCURRENT PROTECTION  |
| MTS               | MANUAL TRANSFER SWITCH  |
| #<br>N/A          | NUMBER  NOT APPLICABLE  |
| NC<br>NEC         | NORMALLY CLOSED  NATIONAL ELECTRICAL CODE   |
| NIC<br>NL         | NOT IN CONTRACT  NIGHT LIGHT  |
| NO<br>NTS         | NORMALLY OPEN NOT TO SCALE  |
| OL                | OVERLOAD  |
| P                 | POLE  |
| PB<br>PIV         | PULL BOX POST INDICATING VALVE  |
| PNL<br>PR         | PANEL PAR   |
| PRI<br>PT         | PRIMARY POTENTIAL TRANSFORMER   |
| PVC<br>PWR        | POLYVINYL CHLORIDE CONDUIT POWER  |
| Ø OR PH           | PHASE   |
| REQ<br>RSC        | REQUIRED RIGID STELL CONDUIT  |
| SCCR              | SHORT CIRCUIT CURRENT RATING  |
| SEC<br>SIG        | SECONDARY SIGNAL  |
| SP<br>SS          | SPARE STAINLESS STEEL   |
| SSNR<br>SSR       | SOFT START NON-REVERSING SOFT START REVERSING   |
| STP<br>SW         | SHIELDED TWISTED PAIR SWITCH  |
| SWBD              | SWITCHBOARD   |
| T-STAT            | THERMOSTAT THERMAL TOGGLE   |
| TYP               | TYPICAL   |
| UG<br>UTP         | UNDERGROUND LINSHIELDED TWISTED PAIR  |
|                   | UNSHIELDED TWISTED PAIR   |
|                   |   |
| V<br>VFD          | VOLT VARIABLE FREQUENCY DRIVE   |
| V<br>VFD<br>W     | VARIABLE FREQUENCY DRIVE  WATT  |
| V<br>VFD          | VARIABLE FREQUENCY DRIVE  |

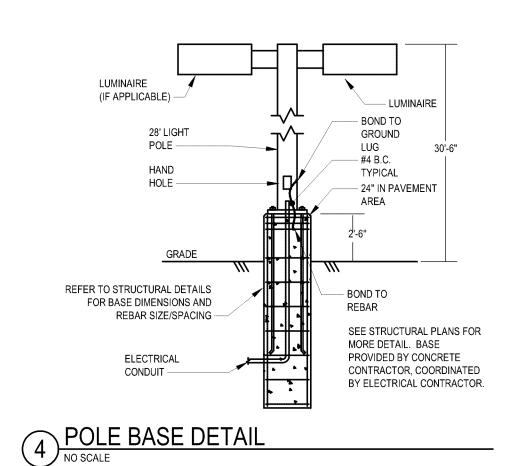
ELECTRICAL ABBREVIATIONS

1 POLE (NUMBER DENOTES QUANTITY)

2 WIRE (NUMBER DENOTES QUANTITY)

1 POLE, 1 WIRE (NUMBER DENOTES QUANTITY)

|                                       |   |                  | ·               | ELECTRIC  | CAL S   | LIMBOL            | LEGEND   |        | ·i                                |   |         |
|---------------------------------------|---|------------------|-----------------|---|---------|-------------------|--|--------|-----------------------------------|---|---------|
|                                       | POWER   |                  |                 | LIGHTING CONTROLS   |         |                   | COMMUNICATIONS / DATA  | 4      |                                   | FIRE ALARM  |         |
| SYMBOL                                | DESCRIPTION   | MTG HT           | SYMBOL          | DESCRIPTION   | MTG HT  | SYMBOL            | DESCRIPTION  | MTG HT | SYMBOL                            | DESCRIPTION   | MTG     |
| ⊕ <sub>xx</sub>                       | RECEPTACLE TYPE LEGEND  |                  |                 | LIGHTING CONTROL TYPE LEGEND  |         |                   | TELEPHONE CABINET - SIZE AS INDICATED  |        | FACP                              | FIRE ALARM CONTROL PANEL  |         |
| Π                                     | WP = WEATHERPROOF SS = STAINLESS STEEL FACEPLACE  | 18"              |                 | X = SINGLE POLE SWITCH X DENOTES SWITCH LEG 2 = DOUBLE POLE SWITCH        |         |                   | RACK - SIZE AS INDICATED   |        | FAA                               | REMOTE FIRE ALARM ANNUNCIATOR PANEL   |         |
|                                       | GFCI = GROUND FAULT USB = USB TYPE RECEPTACLE T = TAMPERPROOF RECEPTACLE  |                  |                 | 3 = 3-WAY SWITCH 4 = 4-WAY SWITCH   | 46"     |                   | COMMUNICATIONS BOARD - SIZE AS INDICATED   |        | BATT                              | FIRE ALARM BATTERY CABINET  |         |
|                                       | H = HOSPITAL GRADE RECEPTACLE   |                  | \$ xx           | EP = EXPLOSION PROOF SWITCH E = EMERGENCY SWITCH LV = LOW VOLTAGE SWITCH  | 40      |                   | FLOOR BOX  |        | AUX                               | FIRE ALARM AUXILIARY CABINET  |         |
| #                                     | FOURPLEX RECEPTACLE   | 18"              |                 | PL = PILOT LIGHT SWITCH  K = KEY OPERATED SWITCH                          |         | ▼                 | TELEPHONE  | 18"    | NAC                               | FIRE ALARM NAC PANEL  |         |
| Φ                                     | SIMPLEX RECEPTACLE  | 18"              |                 | L = LIGHTED TOGGLE SWITCH MC = MOMENTARY CONTACT SWITCH                   |         | W                 | TELEPHONE - WALL HUNG  | 46"    | DH                                | MAGNETIC DOOR HOLD OPEN   |         |
| ф                                     | CEILING MOUNTED DUPLEX RECEPTACLE   | CEILING          |                 | VS = WALL SENSOR VACANCY SWITCH<br>OS = WALL SENSOR OCCUPANCY SENSOR      |         | 4                 | COMBINATION PHONE/DATA OUTLET  | 18"    | Ĝ.                                | FIRE ALARM BELL AND LIGHT   | 90"     |
| Ψ                                     | DUPLEX RECEPTACLE, LOWER SWITCHED   | 18"              | + × -           | DIMMER - "X" DENOTES TYPE (SEE SPEC.)                                     | 46"     | abla              | DATA OUTLET  | 18"    | F                                 | FIRE ALARM HORN, WALL MOUNT   | 82"     |
| •                                     | FOURPLEX RECEPTACLE, SWITCHED   | 18"              |                 | LIGHTING CONTROL TYPE LEGEND  |         | c                 | DATA - CEILING MOUNTED   | CLG    | ▼ M or L                          | FIRE ALARM MINI HORN (M),<br>LOW TONE (L), WALL MOUNT   | 82"     |
| 0                                     | DUPLEX RECEPTACLE, SWITCHED   | 18"              | XX              | R = LINE VOLTAGE RELAY TS = TIME SWITCH C = CONTACTOR                     |         | — <u>,</u><br>— ⊢ | HANDSET  |        | F                                 | FIRE ALARM SPEAKER  | 82"     |
| <del>- ;;</del>                       | HORIZONTAL MOUNT DUPLEX RECEPTACLE  | 18"              | CEILING         | C = CONTACTOR  CL = CURRENT LIMITER  VS = VACANCY SENSOR                  |         |                   | WALL CLOCK TYPE LEGEND   |        | E ##                              | FIRE ALARM STROBE ## DENOTES CANDELA RATING   | 82"     |
| <b>→</b> XX                           | SPECIAL PURPOSE RECEPTACLE - LETTER INDICATES TYPE - SEE NOTE 3   | 18"              | XX<br>T<br>WALL | OS = OCCUPANCY SENSOR RC = ROOM CONTROLLER                                |         | Фх                | M = MASTER CLOCK<br>D = DUAL FACE CLOCK  | 94"    | E ##                              | FIRE ALARM HORN/STROBE ## DENOTES CANDELA RATING  | 82"     |
| ————————————————————————————————————— | CEILING MOUNT SPECIAL PURPOSE RECEPTACLE -  | CEILING          |                 | PS = PHOTOSENSOR<br>ER = EMERGENCY BYPASS RELAY                           |         |                   | C = CLOCK OUTLET<br>NONE = STANDARD WALL CLOCK   |        | \\\_\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | FIRE ALARM SPEAKER/STROBE   | 82"     |
| •                                     | LETTER INDICATES TYPE - SEE NOTE 3  DUPLEX RECEPTACLE, EMERGENCY CIRCUIT  | 18"              |                 | B = REMOTE BALLAST / DRIVER BAT = REMOTE BATTERY                          |         | \$                | SPEAKER - WALL MOUNTED   |        | F)                                | ## DENOTES CANDELA RATING FIRE ALARM HORN, CEILING  | CEILIN  |
| <u>  </u>                             | FOURPLEX RECEPTACLE, EMERGENCY CIRCUIT  | 18"              |                 | LIGHTING  | 1       | <u> </u>          | SPEAKER - CEILING MOUNTED  | 94"    | M or L                            | FIRE ALARM MINI HORN (M),   | CEILIN  |
| <u>п</u>                              | RECESSED JUNCTION BOX W/ FLEX CONNECTION  |                  | SYMBOL          | DESCRIPTION   | MTG HT  | (SR)              | SOUND REINFORCEMENT - CEILING MOUNTED  |        | F                                 | LOW TONE (L), CEILING MOUNT FIRE ALARM SPEAKER, CEILING   | CEILIN  |
|                                       | RECESSED JUNCTION BOX - LETTER INDICATES TYPE -   | CEILING          | 3 I WIBUL       | FIXTURE RECESSED MOUNTED  | CEILING |                   |  |        | (F) ##                            | FIRE ALARM STROBE, CEILING  | CEILIN  |
|                                       | SEE NOTE 4 SURFACE MOUNTED JUNCTION BOX - LETTER  | CEILING          | 6               | FIXTURE SURFACE MOUNTED   | CEILING |                   | WALL/FLOOR COMMUNICATIONS DEVICE A = AUDIO OUTLET  |        | ~~~                               | ## DENOTES CANDELA RATING FIRE ALARM HORN/STROBE, CEILING   | CEILIN  |
| <br>ন                                 | INDICATES TYPE - SEE NOTE 4  RECESSED JUNCTION BOX, WAL - LETTER INDICATES  |                  |                 |   | CEILING | ♦                 | H = HORN IC = CALL STATION M = MICROPHICALE  |        | <u> </u>                          | ## DENOTES CANDELA RATING FIRE ALARM SPEAKER/STROBE, CEILING  |         |
| ¥<br>অ×                               | TYPE - SEE NOTE 4 SURFACE MOUNTED JUNCTION BOX, WALL - LETTER   | 18"              |                 | CEILING MOUNTED STRIP FIXTURE   | 10/411  |                   | M = MICROPHONE  MA = MICROPHONE REMOTE ANTENNA   |        |                                   | ## DENOTES CANDELA RATING   | CEILIN  |
|                                       | INDICATES TYPE - SEE NOTE 4   | 18"              | <del>  _</del>  | WALL MOUNTED STRIP FIXTURE  | WALL    | -                 | MM = MULTIMEDIA OUTLET P = PROJECTOR RS = ROOM SCHEDULER   |        | <u> </u>                          | COMBINATION FIRE/SMOKE DAMPER   |         |
| <u>•</u>                              | FLOOR BOX WITH DEVICES INDICATED  | FLOOR            | 0               | DOWN LIGHT FIXTURE  | CEILING |                   | WM = WIRELESS MICROPHONE SYSTEM  CEILING COMMUNICATIONS DEVICE   | -      | <u>(S)</u>                        | SMOKE DAMPER  |         |
| РВ                                    | PULLBOX SIZED AS REQUIRED OR NOTED  |                  | Ю               | WALL MOUNTED FIXTURE  | WALL    |                   | A = AUDIO OUTLET  H = HORN   |        | Z                                 | FIRE ALARM ADDRESSABLE MODULE   |         |
|                                       | POWER DISTRIBUTION  | _                |                 | PENDANT FIXTURE   |         |                   | IC = CALL STATION M = MICROPHONE   |        | FR                                | FIRE ALARM RELAY MODULE   |         |
| SYMBOL                                | DESCRIPTION   | MTG HT           | 8 8             | TRACK LIGHTING, HEADS SPACED AS INDICATED                                 |         | $  \otimes  $     | MA = MICROPHONE REMOTE ANTENNA<br>MM = MULTIMEDIA OUTLET   |        | <u>F</u>                          | FIRE ALARM MANUAL PULL STATION  | 44"     |
|                                       | GENERATOR - SIZE VARIES   |                  | <b>□</b> 0      | LIGHT FIXTURE ON EMERGENCY CIRCUIT  |         |                   | P = PROJECTOR RS = ROOM SCHEDULER  |        | ₿                                 | FIRE ALARM SMOKE DETECTOR PHOTOELECTRIC TYPE CEILING MOUNT  | CEILIN  |
|                                       | TRANSFORMER - SIZE VARIES   |                  | <u>\$</u>       | EXIT LIGHT FACE<br>DIRECTIONAL ARROWS AS INDICATED                        | WALL    |                   | WM = WIRELESS MICROPHONE SYSTEM  |        | 0                                 | FIRE ALARM SMOKE DETECTOR IONIZATION TYPE CEILING MOUNT   | CEILIN  |
|                                       | PANELBOARD  | WALL OR<br>FLOOR | ፟               | EXIT LIGHT FACE<br>DIRECTIONAL ARROWS AS INDICATED                        | CEILING | X                 | WALL COMMUNICATIONS DEVICE<br>SC = SCREEN CONTROLLER   |        | ©                                 | CARBON MONOXIDE DETECTOR CEILING MOUNT  | CEILIN  |
|                                       | SWITCHBOARD/DISTRIBUTION PANELBOARD   | WALL OR<br>FLOOR | ₩               | EXIT LIGHT WITH EMERGENCY HEADS<br>DIRECTIONAL ARROWS AS INDICATED        | WALL    |                   | TV = TV OUTLET<br>V = VOLUME CONTROL   |        | 0                                 | MULTI CRITERIA DETECTOR CEILING MOUNT   | CEILIN  |
| 重                                     | GROUND  |                  | **              | EXIT LIGHT WITH EMERGENCY HEADS<br>DIRECTIONAL ARROWS AS INDICATED        | CEILING | <u> </u>          | CEILING COMMUNICATIONS DEVICE  M = MICROPHONE OUTLET   |        | <b>(</b>                          | FIRE ALARM DUCT SMOKE DETECTOR  |         |
| M                                     | METER   |                  | <b>₩</b>        | SELF-CONTAINED EMERGENCY LIGHTING UNIT                                    | WALL    |                   | SC = SCREEN CONTROLLER TERMINATION BOX<br>TV = TV OUTLET   |        | ⊕ <sup>135</sup>                  | FIRE ALARM HEAT DETECTOR CEILING MOUNT 135 = 135 DEG. FIXED HEAT DETECTOR                             | CEILIN  |
| MH                                    | MANHOLE   |                  | <b>&gt;≡</b> 4  | SELF-CONTAINED EMERGENCY LIGHTING UNIT                                    | CEILING |                   | BUZZER   |        | ] ₩                               | 200 = 200 DEG. FIXED HEAT DETECTOR<br>ROR = 135 DEG. RATE OF RISE HEAT DETECTOR                       | CEILIN  |
| НН                                    | HANDHOLE  |                  | <b>□-</b>       | EXTERIOR POLE MOUNTED FIXTURE   | GRADE   | S                 | BUZZER/STROBE  |        | <b>©</b>                          | FIRE ALARM SMOKE DETECTOR PHOTOELECTRIC TYPE WALL MOUNT   |         |
| ATS                                   | AUTOMATIC TRANSFER SWITCH   |                  | -               | EXTERIOR BOLLARD FIXTURE  | GRADE   | A                 | BELL   |        | φ                                 | FIRE ALARM SMOKE DETECTOR IONIZATION TYPE WALL MOUNT  |         |
|                                       | MOTORS  | 1                |                 | CABLING   | •       | C                 | CHIME  | 44"    | ©                                 | CARBON MONOXIDE DETECTOR WALL MOUNT   |         |
| SYMBOL                                | DESCRIPTION   | MTG HT           | SYMBOL          | DESCRIPTION   | MTG HT  | RP                | RESCUE ASSIST CALL STATION   |        | Ø                                 | MULTI CRITERIA DETECTOR WALL MOUNT  |         |
| Ηº                                    | PUSHBUTTON - SINGLE   |                  |                 | WIRE, CONDUIT PER SPECIFICATIONS  |         | RAP               | RESCUE ASSIST ZONE ANNUNCIATOR   |        | ф                                 | FIRE ALARM BEAM DETECTOR - TRANSMITTER  |         |
| Hoo                                   | PUSHBUTTON - DOUBLE   |                  | Z = \           | WIRE IN OR BELOW SLAB OR UNDER GROUND (UG),<br>CONDUIT PER SPECIFICATIONS |         | RPB               | RESCUE ASSIST POWER SUPPLY WITH PHONE INTERFACE  |        | ®                                 | FIRE ALARM BEAM DETECTOR - RECEIVER   |         |
| -000                                  | PUSHBUTTON - TRIPLE   |                  |                 | WIRE COUNTS WHEN MORE THAN 2 WIRES IN CONDUIT PLUS GROUND                 |         |                   | SECURITY   | 1      | 135                               | FIRE ALARM HEAT DETECTOR WALL TYPE  |         |
| S <sub>M</sub>                        | MOTOR RATED TOGGLE SWITCH   |                  |                 | HOME RUN  |         | SYMBOL            | DESCRIPTION  | МТС НТ | <sup>135</sup> <b>P</b>           | 135 = 135 DEG. FIXED HEAT DETECTOR 200 = 200 DEG. FIXED HEAT DETECTOR                                 |         |
| S <sub>F</sub>                        | SWITCH / FUSE ASSEMBLY  |                  | <del></del>     | CONDUIT SLEEVE  |         | H⊙                | SECURITY CALL BUTTON   |        | (TS)                              | ROR = 135 DEG. RATE OF RISE HEAT DETECTOR  FIRE SPRINKLER TAMPER SWITCH                               |         |
| S <sub>T</sub>                        | SWITCH / THERMAL OVERLOAD   |                  | <del></del>     | CONDUIT STUB  |         | <b>−</b> D        | SECURITY ALARM PUSHBUTTON (DURESS BUTTON)  |        | FL)                               | FIRE SPRINKLER FLOW SWITCH  |         |
|                                       | COMBO MOTOR STARTER / DISCONNECT SWITCH   | 60"              |                 | CONDON CTCS   |         | S <sub>O</sub>    | ELECTRIC STRIKE  | -      | PM                                | FIRE SPRINKLER POST INDICATOR VALVE (PIV)   |         |
|                                       |   | - 00             |                 |   |         |                   | ELECTRIC LATCH   |        |                                   | THE GITMINEER GOT INDIGATOR VALUE (TV)  |         |
| $\bigcirc$                            |   | 1                | 1               |   |         |                   | ELLOTTIO LATOIT  | -      | NOTES:                            | CANDOLS COMBBISE & STANDARD LIST: ALL SAMBOLS WAY   | NOT ADD |
| <i>\\\</i>                            | MOTOR  EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO  |                  |                 |   |         | MC                | CECUDITY MACNETIC CONTACT  |        |                                   | SYMBOLS COMPRISE A STANDARD LIST; ALL SYMBOLS MAY   | NOT APP |
|                                       | EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)  |                  |                 |   |         | MC                | SECURITY MAGNETIC CONTACT  |        |                                   | S PROJECT.  |         |
| XXX-###                               | EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)  NON-FUSED DISCONNECT SWITCH   | 54"              |                 |   |         | MS                | SECURITY MOTION SENSOR - REQUEST TO EXIT   |        | ON THIS                           | ING HEIGHTS SHOWN ARE STANDARD AND SHALL BE USED  |         |
| XXX-###<br>F                          | EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)  NON-FUSED DISCONNECT SWITCH  FUSED DISCONNECT SWITCH  | 54"              |                 |   |         | MS IC             | SECURITY MOTION SENSOR - REQUEST TO EXIT  FACILITY INTERCOM  | 46"    | ON THIS 2. MOUNT INDICA           |   |         |
| ×××-###                               | EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)  NON-FUSED DISCONNECT SWITCH   | 54"              |                 |   |         | MS IC             | SECURITY MOTION SENSOR - REQUEST TO EXIT   | 46"    | ON THIS 2. MOUNT INDICA           | ING HEIGHTS SHOWN ARE STANDARD AND SHALL BE USED<br>TED OTHERWISE ELSEWHERE IN THE DRAWINGS. MOUNTING |         |
| XXX-###<br>F                          | EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)  NON-FUSED DISCONNECT SWITCH  FUSED DISCONNECT SWITCH  | 54"              |                 |   |         | MS IC K           | SECURITY MOTION SENSOR - REQUEST TO EXIT  FACILITY INTERCOM  | 10     | ON THIS 2. MOUNT INDICA           | ING HEIGHTS SHOWN ARE STANDARD AND SHALL BE USED<br>TED OTHERWISE ELSEWHERE IN THE DRAWINGS. MOUNTING |         |
| XXX-###<br>F'                         | EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)  NON-FUSED DISCONNECT SWITCH  FUSED DISCONNECT SWITCH  MOTOR STARTER                           | 54"              |                 |   |         | MS IC K           | SECURITY MOTION SENSOR - REQUEST TO EXIT  FACILITY INTERCOM  SECURITY KEYPAD   | 46"    | ON THIS 2. MOUNT INDICA           | ING HEIGHTS SHOWN ARE STANDARD AND SHALL BE USED<br>TED OTHERWISE ELSEWHERE IN THE DRAWINGS. MOUNTING |         |
| XXX-###<br>F'                         | EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)  NON-FUSED DISCONNECT SWITCH  FUSED DISCONNECT SWITCH  MOTOR STARTER  MUSHROOM HEAD PUSHBUTTON | 54"              |                 |   |         | MS IC K           | SECURITY MOTION SENSOR - REQUEST TO EXIT  FACILITY INTERCOM  SECURITY KEYPAD  SECURITY CARD READER   | 46"    | ON THIS 2. MOUNT INDICA           | ING HEIGHTS SHOWN ARE STANDARD AND SHALL BE USED<br>TED OTHERWISE ELSEWHERE IN THE DRAWINGS. MOUNTING |         |
| XXX-###<br>F'                         | EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)  NON-FUSED DISCONNECT SWITCH  FUSED DISCONNECT SWITCH  MOTOR STARTER  MUSHROOM HEAD PUSHBUTTON | 54"              |                 |   |         | MS IC KH          | SECURITY MOTION SENSOR - REQUEST TO EXIT  FACILITY INTERCOM  SECURITY KEYPAD  SECURITY CARD READER  INDICATOR LIGHT - CEILING MOUNTED  | 46"    | ON THIS 2. MOUNT INDICA           | ING HEIGHTS SHOWN ARE STANDARD AND SHALL BE USED<br>TED OTHERWISE ELSEWHERE IN THE DRAWINGS. MOUNTING |         |
| XXX-###<br>F'                         | EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)  NON-FUSED DISCONNECT SWITCH  FUSED DISCONNECT SWITCH  MOTOR STARTER  MUSHROOM HEAD PUSHBUTTON | 54"              |                 |   |         | MS IC K H CR H    | SECURITY MOTION SENSOR - REQUEST TO EXIT  FACILITY INTERCOM  SECURITY KEYPAD  SECURITY CARD READER  INDICATOR LIGHT - CEILING MOUNTED  INDICATOR LIGHT - WALL MOUNTED  | 46"    | ON THIS 2. MOUNT INDICA           | ING HEIGHTS SHOWN ARE STANDARD AND SHALL BE USED<br>TED OTHERWISE ELSEWHERE IN THE DRAWINGS. MOUNTING |         |
| XXX-###<br>F'                         | EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)  NON-FUSED DISCONNECT SWITCH  FUSED DISCONNECT SWITCH  MOTOR STARTER  MUSHROOM HEAD PUSHBUTTON | 54"              |                 |   |         | MS CR CR CS S     | SECURITY MOTION SENSOR - REQUEST TO EXIT  FACILITY INTERCOM  SECURITY KEYPAD  SECURITY CARD READER  INDICATOR LIGHT - CEILING MOUNTED  INDICATOR LIGHT - WALL MOUNTED  PAGING HORN   | 46"    | ON THIS 2. MOUNT INDICA           | ING HEIGHTS SHOWN ARE STANDARD AND SHALL BE USED<br>TED OTHERWISE ELSEWHERE IN THE DRAWINGS. MOUNTING |         |
| XXX-###<br>F'                         | EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)  NON-FUSED DISCONNECT SWITCH  FUSED DISCONNECT SWITCH  MOTOR STARTER  MUSHROOM HEAD PUSHBUTTON | 54"              |                 |   |         |                   | SECURITY MOTION SENSOR - REQUEST TO EXIT  FACILITY INTERCOM  SECURITY KEYPAD  SECURITY CARD READER  INDICATOR LIGHT - CEILING MOUNTED  INDICATOR LIGHT - WALL MOUNTED  PAGING HORN  CCTV CAMERA - CEILING MOUNTED  | 46"    | ON THIS 2. MOUNT INDICA           | ING HEIGHTS SHOWN ARE STANDARD AND SHALL BE USED<br>TED OTHERWISE ELSEWHERE IN THE DRAWINGS. MOUNTING |         |
| XXX-###<br>F'                         | EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)  NON-FUSED DISCONNECT SWITCH  FUSED DISCONNECT SWITCH  MOTOR STARTER  MUSHROOM HEAD PUSHBUTTON | 54"              |                 |   |         |                   | SECURITY MOTION SENSOR - REQUEST TO EXIT  FACILITY INTERCOM  SECURITY KEYPAD  SECURITY CARD READER  INDICATOR LIGHT - CEILING MOUNTED  INDICATOR LIGHT - WALL MOUNTED  PAGING HORN  CCTV CAMERA - CEILING MOUNTED  CCTV CAMERA - WALL MOUNTED                | 46"    | ON THIS 2. MOUNT INDICA           | ING HEIGHTS SHOWN ARE STANDARD AND SHALL BE USED<br>TED OTHERWISE ELSEWHERE IN THE DRAWINGS. MOUNTING |         |
| ×××-###<br>F'                         | EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)  NON-FUSED DISCONNECT SWITCH  FUSED DISCONNECT SWITCH  MOTOR STARTER  MUSHROOM HEAD PUSHBUTTON | 54"              |                 |   |         |                   | SECURITY MOTION SENSOR - REQUEST TO EXIT  FACILITY INTERCOM  SECURITY KEYPAD  SECURITY CARD READER  INDICATOR LIGHT - CEILING MOUNTED  INDICATOR LIGHT - WALL MOUNTED  PAGING HORN  CCTV CAMERA - CEILING MOUNTED  CCTV CAMERA - WALL MOUNTED  VIDEO MONITOR | 46"    | ON THIS 2. MOUNT INDICA           | ING HEIGHTS SHOWN ARE STANDARD AND SHALL BE USED<br>TED OTHERWISE ELSEWHERE IN THE DRAWINGS. MOUNTING |         |



|               |   | LIGHT FIXTURE S | SCHEDULE |                |              |                   |                                |       |
|---------------|---|-----------------|----------|----------------|--------------|-------------------|--------------------------------|-------|
|               |   |                 | LAMPS    |                |              |                   |                                |       |
| FIXT.<br>TYPE | DESCRIPTION   | VOLTAGE         | TYPE     | QTY./<br>FIXT. | VA/<br>FIXT. | MANUFACTURER      | CATALOG NUMBER                 | NOTES |
|               | LED POLE MOUNTED AREA LIGHT. 28' POLE WITH BASE COVER. DIE CAST ALUMINUM HOUSING.                   | UNIV            | LED      | N/A            | 268          | LITHONIA LIGHTING | CSX2LED-120C-700-40K-T3M-MVOLT |       |
| PH1           | MOLDED ACRYLIC LENS WITH HIGH EFFICIENCY OPTICS.  |                 | 4000K    |                |              |                   |                                |       |
| rni           | ALUMINUM MOUNTING ARM. 27,800 NOMINAL LUMENS. 700mA DRIVE CURRENT.                                  |                 |          |                |              |                   |                                |       |
|               | TYPE III OPTICS. FINISH AND POLE TYPE TO MATCH EXISTING LIGHTING.                                   |                 |          |                |              |                   |                                |       |
|               | EXISTING LED POLE MOUNTED AREA LIGHT. 28' POLE WITH BASE COVER. DIE CAST ALUMINUM HOUSING.          | UNIV            | LED      | N/A            | 268          | LITHONIA LIGHTING | CSX2LED-120C-700-40K-T3M-MVOLT |       |
| PH1-E         | MOLDED ACRYLIC LENS WITH HIGH EFFICIENCY OPTICS.  |                 | 4000K    |                |              |                   |                                |       |
| FIII-L        | ALUMINUM MOUNTING ARM. 27,800 NOMINAL LUMENS. 700mA DRIVE CURRENT.                                  |                 |          |                |              |                   |                                |       |
|               | TYPE III OPTICS. FINISH AND POLE TYPE TO MATCH EXISTING LIGHTING.                                   |                 |          |                |              |                   |                                |       |
|               | RELOCATED LED POLE MOUNTED AREA LIGHT. 28' POLE WITH BASE COVER. DIE CAST ALUMINUM HOUSING.         | UNIV            | LED      | N/A            | 268          | LITHONIA LIGHTING | CSX2LED-120C-700-40K-T3M-MVOLT |       |
| PH1-R         | MOLDED ACRYLIC LENS WITH HIGH EFFICIENCY OPTICS.  |                 | 4000K    |                |              |                   |                                |       |
| 1111-10       | ALUMINUM MOUNTING ARM. 27,800 NOMINAL LUMENS. 700mA DRIVE CURRENT.                                  |                 |          |                |              |                   |                                |       |
|               | TYPE III OPTICS. FINISH AND POLE TYPE TO MATCH EXISTING LIGHTING.                                   |                 |          |                |              |                   |                                |       |
|               | DOUBLE HEADED LED POLE MOUNTED AREA LIGHTS. 28' POLE WITH BASE COVER. DIE CAST ALUMINUM HOUSING.    | UNIV            | LED      | N/A            | 588          | LITHONIA LIGHTING | CSX2LED-120C-700-40K-T4M-MVOLT |       |
| PH2           | 180 DEGREE LED HEAD ORIENTATION. MOLDED ACRYLIC LENS WITH HIGH EFFICIENCY OPTICS.                   |                 | 4000K    |                |              |                   |                                |       |
| 1112          | ALUMINUM MOUNTING ARM. 27,700 NOMINAL LUMENS. 700mA DRIVE CURRENT.                                  |                 |          |                |              |                   |                                |       |
|               | TYPE IV OPTICS. FINISH AND POLE TYPE TO MATCH EXISTING LIGHTING.                                    |                 |          |                |              |                   |                                |       |
| ·             | EXISTING DOUBLE HEADED LED POLE MOUNTED AREA LIGHTS. 28' POLE WITH BASE COVER. DIE CAST             | UNIV            | LED      | N/A            | 588          | LITHONIA LIGHTING | CSX2LED-120C-700-40K-T4M-MVOLT |       |
| PH2-E         | ALUMINUM HOUSING. 180 DEGREE LED HEAD ORIENTATION. MOLDED ACRYLIC LENS WITH HIGH EFFICIENCY OPTICS. |                 | 4000K    |                |              |                   |                                |       |
| 1 112-L       | ALUMINUM MOUNTING ARM. 27,700 NOMINAL LUMENS. 700mA DRIVE CURRENT.                                  |                 |          |                |              |                   |                                |       |
|               | TYPE IV OPTICS. FINISH AND POLE TYPE TO MATCH EXISTING LIGHTING.                                    |                 |          |                |              |                   |                                |       |

**BCS HYATT REGENCY** 3200 East 81st Street, Bloomington, MN 55425



I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed professional engineer under the laws of the State



of Minnesota

JUSTIN J. ARTZ Typed or Printed Name



emanuelson-podas consulting engineers

> Emanuelson-Podas, Inc. 7705 Bush Lake Road Edina, MN 55439 952.930.0050 | www.epinc.com

PERMIT SET 12/03/2021

Date

ORIGINAL ISSUE: 12/03/21

**REVISIONS:** No. Description

4472.0002 PROJECT NUMBER

MBS DRAWN BY JJA CHECKED BY KEY PLAN

BCS HYATT REGENCY PARKING IMPROVEMENTS ELECTRICAL HOTEL TITLE SHEET

E0.0H

CASE #PL2021-226

BCS HYATT REGENCY
3200 East 81st Street, Bloomington,
MN 55425



I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed professional engineer under the laws of the State of Minnesota



JUSTIN J. ARTZ

Typed or Printed Name

45466 12/03/2021

License # Date



Emanuelson-Podas, Inc. 7705 Bush Lake Road Edina, MN 55439

consulting engineers

952.930.0050 | www.epinc.com

PERMIT SET

ORIGINAL ISSUE:

REVISIONS:
No. Description

Date

4472.0002 PROJECT NUMBER

BWJ JJA CHECKED BY

BCS HYATT REGENCY
PARKING IMPROVEMENTS
ELECTRICAL HOTEL PARKING
LOT PHOTOMETRIC

E0.1H

GENERAL NOTES:

A. INITIAL LLF AT 1.0. SEE LIGHT LEVELS BELOW IN TABLE.

B. REFER TO DETAIL 3/E0.3H FOR LIGHT POLE DETAIL.

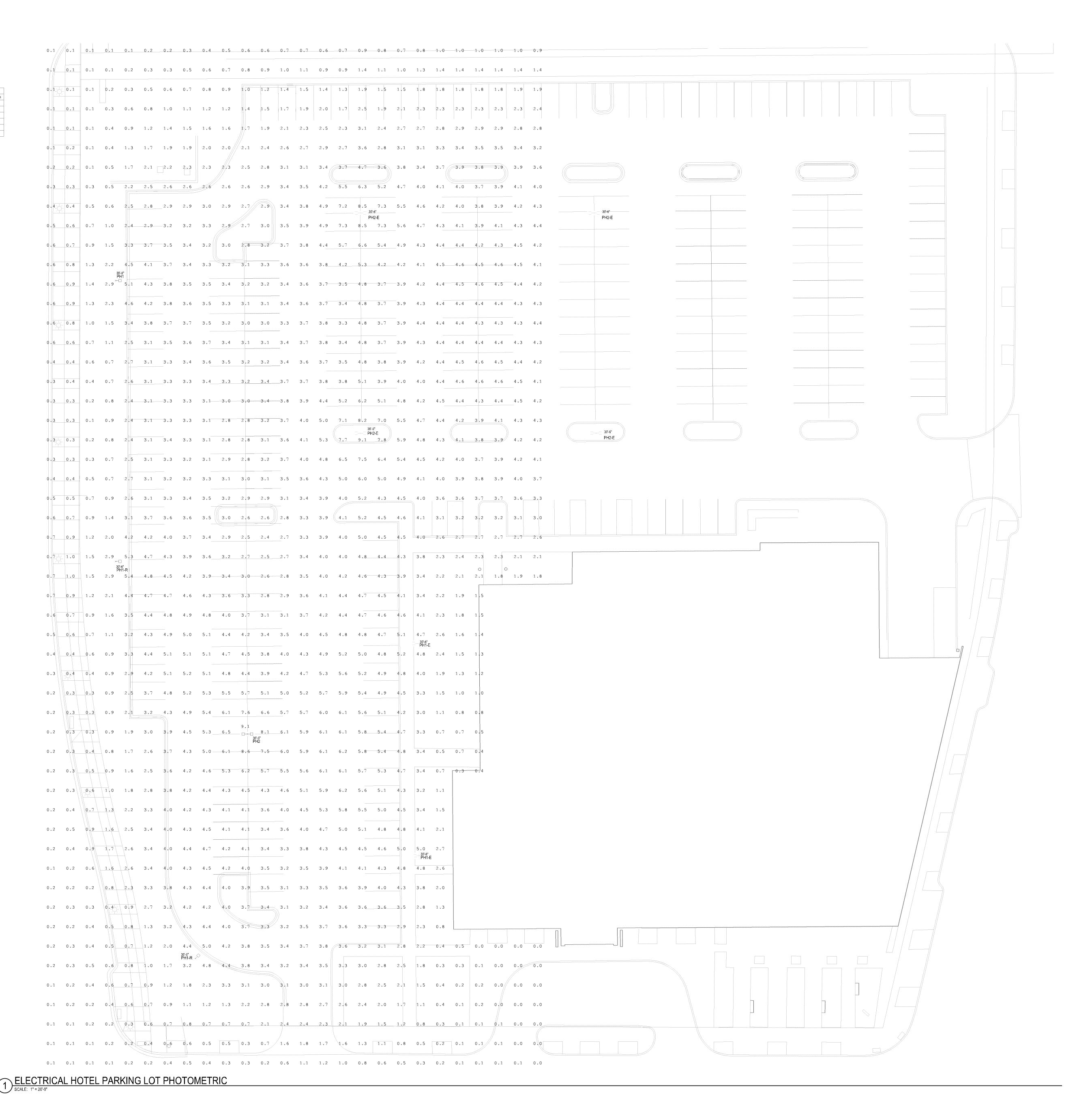
Calculation Summary 
 Avg
 Max
 Min
 Avg/Min
 Max/Min

 0.38
 1.0
 0.0
 N.A.
 N.A.
 CalcType East Prop Line Illuminance 2.69 9.1 0.0 N.A. N.A. Hotel Parking Lot Site Illuminance 
 0.54
 0.8
 0.1
 5.40
 8.00

 4.04
 8.9
 1.3
 3.11
 6.85

 0.52
 2.3
 0.0
 N.A.
 N.A.

 0.74
 2.4
 0.1
 7.40
 24.00
 North Prop Line Illuminance Parking Lot Illuminance South Prop Line Illuminance West Prop Line Illuminance



LIGHTING PLAN APPROVED

SITY OF BLOOMINGTON A NMJ

CASE #PL2021-226

**GENERAL NOTES:** 

Calculation Summary

Hotel Parking Lot Site

East Prop Line

North Prop Line

South Prop Line

West Prop Line

Parking Lot

A. MAINTAINED LFF AT 0.81. SEE LIGHT LEVELS BELOW IN TABLE.

CalcType

Illuminance

Illuminance

Illuminance

Illuminance

Illuminance Illuminance

 Avg
 Max
 Min
 Avg/Min
 Max/Min

 0.32
 0.8
 0.0
 N.A.
 N.A.

 2.18
 7.4
 0.0
 N.A.
 N.A.

 0.45
 0.7
 0.0
 N.A.
 N.A.

 3.27
 7.2
 1.1
 2.97
 6.55

 0.42
 1.8
 0.0
 N.A.
 N.A.

 0.60
 1.9
 0.0
 N.A.
 N.A.

B. REFER TO DETAIL 3/E0.3H FOR LIGHT POLE DETAIL.

BCS HYATT REGENCY
3200 East 81st Street, Bloomington,
MN 55425

(<del>E</del>) McGough

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed professional engineer under the laws of the State of Minnesota

Signature

Signature

JUSTIN J. ARTZ

Typed or Printed Name

45466 12/03/2021

License # Date



Emanuelson-Podas, Inc. 7705 Bush Lake Road Edina, MN 55439

952.930.0050 | www.epinc.com

PERMIT SET 12/03/2021

ORIGINAL ISSUE:

REVISIONS:
No. Description

Date

4472.0002
PROJECT NUMBER

BWJ JJA

DRAWN BY

KEY PLAN

BCS HYATT REGENCY
PARKING IMPROVEMENTS
ELECTRICAL HOTEL PARKING

CHECKED BY

E0.2H

LOT PHOTOMETRIC

0.0 / / |0.0| |0.0| 0.0 0.1 0.1 0.1 0.2 0.2 0.3 0.4 0.5 0.5 0.6 0.6 0.5 0.5 0.7 0.6 0.5 0.7 0.6 0.5 0.7 0.8 0.8 0.8 0.8 0.8 0.7 $0.2 \quad 0.2 \quad 0.1 \quad 0.4 \quad 1.4 \quad 1.7 \quad 1.8 \quad 1.8 \quad 1.9 \quad 1/9 \quad 2.0 \quad 2.3 \quad 2.5 \quad 2.5 \quad 2.7 \quad 3.0 \quad 3.8 \quad 3.0 \quad 3.0 \quad 2.8 \quad 3.0 \quad 3.1 \quad 3.1 \quad 3.2 \quad 3.1 \quad 2.9$ 0.2 0.2 0.3 0.4 1.7 2.0 2.1 2.1 2.1 2.1 2.4 2.8 2.9 3.4 4.4 5.1 4.2 3.8 3.2 3.3 3.2 3.0 3.2 3.3 3.2  $0.9 \times 10.3 \times 10.4 \times 10.5 \times 1$  $0.4 \quad 0.4 \quad 0.5 \quad 0.8 \quad 24 \quad 2.4 \quad 2.6 \quad 2.6 \quad 2.6 \quad 2.4 \quad 2.2 \quad 2.4 \quad 2.8 \quad 3.1 \quad 4.0 \quad 5.9 \quad 6.9 \quad 5.9 \quad 4.5 \quad 3.8 \quad 3.5 \quad 3.4 \quad 3.1 \quad 3.3 \quad 3.5 \quad 3.5$  $0.5 \quad 0.6 \quad 0.8 \quad 1.2 \quad 2.7 \quad 3.0 \quad 2.8 \quad 2.7 \quad 2.6 \quad 2.4 \quad 2.3 \quad 2.6 \quad 3.0 \quad 3.1 \quad 3.6 \quad 4.6 \quad 5.3 \quad 4.4 \quad 4.0 \quad 3.5 \quad 3.6 \quad 3.6 \quad 3.4 \quad 3.5 \quad 3.6 \quad 3.4$ 0.5 0.7 1.0 1.8 3.7 3.3 3.0 2.8 2.7 2.6 2.5 2.7 2.9 2.9 3.1 3.4 4.3 3.4 3.4 3.3 3.6 3.8 3.7 3.7 3.7 3.4 0.5 0.7 1.0 1.8 3.8 3.4 3.1 2.9 2.8 2.7 2.5 2.5 2.7 2.9 3.0 2.8 3.9 3.0 3.2 3.5 3.6 3.6 3.6 3.6 3.5 3.5  $\phi \mid \underline{4} \mid 0.3 \mid$  0.5 0.6 2 2 2.5 2.7 2.8 2.9 2.8 2.6 2.6 2.8 2.9 3.0 2.9 3.9 3.0 3.2 3.4 3.5 3.7 3.7 3.7 3.6 3.4 0.3 0.3 0.3 0.5 2.1 2.5 2.7 2.7 2.7 2.6 2.8 3.0 3.0 3.0 3.1 4.1 3.2 3.3 3.3 3.6 3.7 3.7 3.7 3.7 3.4  $0.2 \quad 0.3 \quad 0.2 \quad 0.6 \quad 2 \quad 0 \quad 2.5 \quad 2.7 \quad 2.6 \quad 2.6 \quad 2.4 \quad 2.5 \quad 2.8 \quad 3.1 \quad 3.1 \quad 3.6 \quad 4.2 \quad 5.0 \quad 4.1 \quad 3.9 \quad 3.4 \quad 3.6 \quad 3.6 \quad 3.5 \quad 3.6 \quad 3.6 \quad 3.4$ 0.2 0.2 0.1 0.7 2 0 2.5 2.7 2.7 2.5 2.3 2 3 2.6 3.0 3.3 4.0 5.7 6.6 5.7 4.5 3.8 3.5 3.4 3.2 3.3 3.5 3.5 0.2 0.3 0.1 0.7 2 0 2.5 2.7 2.7 2.5 2.3 2.3 2.5 3.0 3.3 4.3 6.3 7.3 6.4 4.8 3.9 3.4 3.3 3.1 3.2 3.4 3.4  $0.3 \quad 0.3 \quad 0.6 \quad 2.0 \quad 2.5 \quad 2.6 \quad 2.6 \quad 2.5 \quad 2.3 \quad 2.3 \quad 2.6 \quad 3.0 \quad 3.2 \quad 3.9 \quad 5.3 \quad 6.1 \quad 5.2 \quad 4.4 \quad 3.6 \quad 3.4 \quad 3.2 \quad 3.0 \quad 3.1 \quad 3.4 \quad 3.3$  $\phi \mid 3 \mid 0.3 \mid 0.4 \quad 0.6 \quad 2 \mid 2 \mid 2.5 \quad 2.6 \quad 2.6 \quad 2.6 \quad 2.5 \quad 2 \mid 4 \quad 2.5 \quad 2.8 \quad 2.9 \quad 3.5 \quad 4.0 \quad 4.9 \quad 4.1 \quad 4.0 \quad 3.3 \quad 3.2 \quad 3.2 \quad 3.1 \quad 3.2 \quad 3.2 \quad 3.0$  $0.4 \quad 0.4 \quad 0.5 \quad 0.7 \quad 2 \quad 1 \quad 2.5 \quad 2.7 \quad 2.8 \quad 2.6 \quad 2.3 \quad 2.3 \quad 2.5 \quad 2.7 \quad 3.2 \quad 3.2 \quad 4.2 \quad 3.5 \quad 3.6 \quad 3.3 \quad 2.9 \quad 2.9 \quad 3.0 \quad 3.0 \quad 2.9 \quad 2.7$  $0.5 \quad 0.6 \quad 0.7 \quad 1.1 \quad 2.5 \quad 3.0 \quad 2.9 \quad 2.9 \quad 2.8 \mid \mid \mid 2.4 \quad 2.1 \quad | \mid \mid 2.3 \quad 2.7 \quad 3.2 \quad \mid 3.3 \quad 4.2 \quad 3.6 \quad 3.7 \quad \mid 3.3 \quad 2.5 \quad 2.6 \quad 2.6 \quad 2.6 \quad | \mid 2.5 \quad 2.4 \quad | \mid 3.6 \quad 3.7 \quad | \mid 3.3 \quad 3.7 \quad | \mid$ 0.5 0.7 1.0 1.6 3 4 3.4 3.2 3.0 2.8 2.4 2.1 1.9 2.2 2.7 3.2 3.2 4.1 3.6 3.7 3.2 2.1 2.2 2.2 2.2 2.2 2.1  $0.5 \quad 0.8 \quad | \quad 1.2 \quad 2.3 \quad 4 \quad | \quad 3 \quad 3.9 \quad 3.7 \quad 3.4 \quad 3.2 \quad 2.8 \quad 2.4 \quad 2.1 \quad 2.2 \quad 2.8 \quad 3.3 \quad 3.4 \quad 3.8 \quad 3.5 \quad 3.2 \quad | \quad 2.8 \quad 1.8 \quad 1.7 \quad 1.7 \quad 1.5 \quad 1.5 \quad 1.5$ 0 5 0.7 1.0 1.7 3 5 3.8 3.8 3.7 3.5 2.9 2.7 2.3 2.3 2.9 3.3 3.6 3.8 3.6 3.3 2.8 1.7 1.5 1 3 0.5 0.6 0.8 1.3 2 8 3.6 3.9 4.0 3.9 3.2 3.0 2.5 2.5 3.0 3.4 3.6 3.8 3.8 3.7 3.3 1.9 1.5 1 2 

LIGHTING PLAN APPROVED

CITY OF
BLOOMINGTON
MINNESOTA

NMJ
03/22/2022

ELECTRICAL HOTEL PARKING LOT PHOTOMETRIC

SCALE: 1" = 20'-0"

 $0.2 \ | \ 0.3 \ | \ 0.2 \ | \ 0.7 \ | \ 2.0 \ | \ 3.0 \ | \ 3.9 \ | \ 4.2 \ | \ 4.5 \ | \ 4.6 \ | \ 4.1 \ | \ 4.2 \ | \ 4.6 \ | \ 4.8 \ | \ 4.4 \ | \ 4.0 \ | \ 3.6 \ | \ 2.7 \ | \ 1.2 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8 \ | \ 0.8$ 

 $0.2 \quad \boxed{0.2} \quad 0.2 \quad 0.7 \quad 1. \quad \boxed{7} \quad 2.6 \quad 3.5 \quad 4.0 \quad 4.3 \quad 4.9 \quad 6.2 \quad 5.4 \quad 4.6 \quad 4.6 \quad 4.8 \quad 4.9 \quad 4.5 \quad 4.1 \quad 3.4 \quad 2.4 \quad 0.9 \quad 0.6 \quad 0.7$ 

 $0.2 \quad 0.2 \quad 0.3 \quad 0.7 \quad 1.4 \quad 2.1 \quad 3.0 \quad 3.5 \quad 4.1 \quad 5.0 \quad 6.9 \quad 6.1 \quad 4.9 \quad 4.8 \quad 4.9 \quad 5.0 \quad 4.7 \quad 4.4 \quad 3.9 \quad 2.8 \quad 0.4 \quad 0.5 \quad 0.3 \quad 0.8 \quad 0.8$ 

 $0.2 \quad 0.2 \quad 0.4 \quad 0.7 \quad 1.3 \quad 2.0 \quad 2.9 \quad 3.4 \quad 3.8 \quad 4.3 \quad 5.0 \quad 4.6 \quad 4.4 \quad 4.6 \quad 4.9 \quad 5.0 \quad 4.6 \quad 4.3 \quad 3.8 \quad 2.8 \quad 0.5 \quad 0.3 \quad 0.3$ 

 $0.2 \quad 0.3 \setminus 10.5 \quad 0.8 \quad 1.5 \quad 2.3 \quad 3.1 \quad 3.4 \quad 3.5 \quad 3.5 \quad 3.7 \quad 3.4 \quad 3.7 \quad 4.1 \quad 4.8 \quad 5.0 \quad 4.5 \quad 4.1 \quad 3.5 \quad 2.6 \quad 0.9$ 

 $0.2 \quad 0.3 \quad \sqrt{0.6 \quad 1.0} \quad 1.8 \quad 2.6 \quad 3.3 \quad 3.4 \quad 3.5 \quad 3.4 \quad 3.5 \quad 2.9 \quad 3.2 \quad 3.6 \quad 4.3 \quad 4.7 \quad 4.4 \quad 4.0 \quad 3.6 \quad |2.8 \quad 1.2 \quad |$ 

 $0.2 \quad 0.4 \quad 0 \sqrt[3]{7} \quad 1.\sqrt[3]{2} \quad 2.0 \quad 2.8 \quad 3.3 \quad 3.5 \quad 3.7 \quad 3.4 \quad 3.3 \quad 2.8 \quad 2.9 \quad 3.3 \quad 3.8 \quad 4.1 \quad 4.1 \quad 3.9 \quad 3.9 \quad 3.4 \quad 1.7$ 

 $0.1 \quad 0.1 \quad 0.2 \quad \sqrt{0.7} \quad 1.8 \quad 2.6 \quad 3 \quad 1 \quad 3.5 \quad 3.5 \quad | 3.3 \quad 3.1 \quad 2.8 \quad 2.5 \quad 2.6 \quad 2.8 \quad 2.9 \quad 3.1 \quad 3.2 \quad 3,4 \quad 3.1 \quad 1.6$ 

 $0.1 \quad 0.2 \quad 0.3 \quad \boxed{0.3} \quad \boxed{0.7} \quad 2.1 \quad 2.6 \quad 3.4 \quad 3.4 \quad 3.2 \quad 3.0 \quad 2.7 \quad 2.5 \quad 2.6 \quad 2.8 \quad 2.9 \quad 2.9 \quad 2.9 \quad 2.8 \quad 2.3 \quad 1.1$ 

 $0.1 \quad 0.2 \quad 0.3 \quad 0.5 \quad 0.6 \quad 0.7 \quad 1.0 \quad 1.5 \quad 1.8 \quad 2.7 \quad 2.5 \quad 2.5 \quad 2.5 \quad 2.5 \quad 2.5 \quad 2.4 \quad 2.2 \quad 2.0 \quad 1.7 \quad 1.2 \quad 0.3 \quad 0.1 \quad 0.2 \quad 0.0 // \quad 0.0 \quad 0.0$ 

 $0.1 \quad 0.1 \quad 0.2 \quad 0.3 \quad 0.5 \quad 0.6 \quad 0.8 \quad 0.9 \quad 1.0 \quad 1.1 \quad 1.8 \quad 2.2 \quad 2.3 \quad 2.3 \quad 2.2 \quad 2.1 \quad 1.9 \quad 1.7 \quad 1.3 \quad 0.9 \quad 0.3 \quad 0.1 \quad 0.1 \quad 0.0 \quad 0.0 \quad 0.0$ 

 $0.1 \quad 0.1 \quad 0.2 \\ \hline \\ 0.5 \quad 0.6 \quad 0.6 \quad 0.6 \quad 0.6 \quad 0.6 \quad 1.7 \quad 1.9 \quad 1.9 \quad 1.8 \\ \hline \\ 1.7 \quad 1.5 \quad 1.2 \quad 1.0 \quad 0.6 \quad 0.3 \quad 0.1 \\ \hline \\ 0.1 \quad 0.1 \quad 0.1 \quad 0.0 \quad 0.0 \\ \hline \\ 0.1 \quad 0.0 \quad 0.0 \\ \hline \\ 0.1 \quad 0.1 \quad 0.1 \quad 0.1 \\ \hline \\ 0.2 \quad 0.1 \quad 0.1 \quad 0.1 \\ \hline \\ 0.3 \quad 0.1 \quad 0.1 \quad 0.1 \\ \hline \\ 0.4 \quad 0.1 \quad 0.1 \\ \hline \\ 0.5 \quad 0.1 \quad 0.1 \\ \hline \\ 0.6 \quad 0.3 \quad 0.1 \\ \hline \\ 0.1 \quad 0.1 0.1 \quad 0.1 \\ \hline \\$