CASE #PL2021-226

GENERAL NOTES:

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 OF THE WORKING DRAWINGS AND SPECIFICATIONS.

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.

I. 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 ACCIDENTAL 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 ABBREVIATIONS

1P	1 POLE (NUMBER DENOTES QUANTITY)
1PW	1 POLE, 1 WIRE (NUMBER DENOTES QUANTITY)
2W	2 WIRE (NUMBER DENOTES QUANTITY)
72"	MOUNTING HEIGHT (CENTERLINE TO FLOOR OR GRADE)
A	AMPERE
AC	ABOVE COUNTER
AF	AMP FRAME
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ARCH	ARCHITECT(URAL)
AS	AMP SWITCH
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BCE	BUILDING CONTROLLER ENCLOSURE
BLDG	BUILDING
C	CONDUIT
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CD	CANDELA
CKT	CIRCUIT
CLG	CEILING
CONN	CONNECTION
CONT	CONTINUE(D) (OUS) (UED) (ATION)
CONTR	CONTRACTOR
CP	CORD AND PLUG
CT	CURRENT TRANSFORMER
CTE	CONNECT TO EXISTING
CU	COPPER
DC	DIRECT CURRENT
DISC	DISCONNECT
DOWN	DOWN
DSD	DUCT SMOKE DETECTOR
DWG	DRAWING
Δ	DELTA
EC	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
EOL	END OF LINE
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
FA	FIRE ALARM
FBO	FURNISHED BY OTHERS
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METALLIC CONDUIT
FUSW	FUSE/SWITCH RATINGS (AMPS)
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFPE	GROUND FAULT PROTECTION EQUIPMENT
GND	GROUND
GRC	GALVANIZED RIGID CONDUIT
HOA	HAND-OFF-AUTO SWITCH
HP	HORSEPOWER
HVAC	HEATING, VENILATING, AND AIR CONDITIONING
HZ	HEIRTZ
IAM	INDIVIDUAL ADDRESSABLE MODULE
IG	ISOLATED GROUND
IMC	INTERMEDIATE METALLIC CONDUIT
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
LFMC	LIQUID TIGHT FLEXIBLE METALLIC CONDUIT
LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LTG	LIGHTING
MAG	MAGNETIC
MAX	MAXIMUM
MC	METAL CLAD CABLE
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTS	MANUAL TRANSFER SWITCH
#	NUMBER
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OL	OVERLOAD
P	POLE
PB	PULL BOX
PIV	POST INDICATING VALVE
PNL	PANEL
PR	PAIR
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE CONDUIT
PWR	POWER
Ø OR PH	PHASE
REQ	REQUIRED
RSC	RIGID STELL CONDUIT
SCCR	SHORT CIRCUIT CURRENT RATING
SEC	SECONDARY
SIG	SIGNAL
SP	SPARE
SS	STAINLESS STEEL
SSNR	SOFT START NON-REVERSING
SSR	SOFT START REVERSING
STP	SHIELDED TWISTED PAIR
SW	SWITCH
SWBD	SWITCHBOARD
T-STAT	THERMOSTAT
TT	THERMAL TOGGLE
TYP	TYPICAL
UG	UNDERGROUND
UTP	UNSHIELDED TWISTED PAIR
V	VOLT
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER
Y	WYE

ELECTRICAL SYMBOL LEGEND

POWER

SYMBOL	DESCRIPTION	MTG HT
	RECEPTACLE TYPE LEGEND WP = WEATHERPROOF SS = STAINLESS STEEL FACEPLACE GFCI = GROUND FAULT USB = USB TYPE RECEPTACLE T = TAMPERPROOF RECEPTACLE H = HOSPITAL GRADE RECEPTACLE	18"
	FOURPLEX RECEPTACLE	18"
	SIMPLEX RECEPTACLE	18"
	CEILING MOUNTED DUPLEX RECEPTACLE	CEILING
	DUPLEX RECEPTACLE, LOWER SWITCHED	18"
	FOURPLEX RECEPTACLE, SWITCHED	18"
	DUPLEX RECEPTACLE, SWITCHED	18"
	HORIZONTAL MOUNT DUPLEX RECEPTACLE	18"
	SPECIAL PURPOSE RECEPTACLE - LETTER INDICATES TYPE - SEE NOTE 3	18"
	CEILING MOUNT SPECIAL PURPOSE RECEPTACLE - LETTER INDICATES TYPE - SEE NOTE 3	CEILING
	DUPLEX RECEPTACLE, EMERGENCY CIRCUIT	18"
	FOURPLEX RECEPTACLE, EMERGENCY CIRCUIT	18"
	RECESSED JUNCTION BOX W/ FLEX CONNECTION	
	RECESSED JUNCTION BOX - LETTER INDICATES TYPE - SEE NOTE 4	CEILING
	SURFACE MOUNTED JUNCTION BOX - LETTER INDICATES TYPE - SEE NOTE 4	CEILING
	RECESSED JUNCTION BOX, WAL - LETTER INDICATES TYPE - SEE NOTE 4	18"
	SURFACE MOUNTED JUNCTION BOX, WALL - LETTER INDICATES TYPE - SEE NOTE 4	18"
	FLOOR BOX WITH DEVICES INDICATED	FLOOR
PB	PULLBOX SIZED AS REQUIRED OR NOTED	

POWER DISTRIBUTION

SYMBOL	DESCRIPTION	MTG HT
	GENERATOR - SIZE VARIES	
	TRANSFORMER - SIZE VARIES	
	PANELBOARD	WALL OR FLOOR
	SWITCHBOARD/DISTRIBUTION PANELBOARD	WALL OR FLOOR
	GROUND	
M	METER	
	MANHOLE	
	HANDHOLE	
ATS	AUTOMATIC TRANSFER SWITCH	

MOTORS

SYMBOL	DESCRIPTION	MTG HT
	PUSHBUTTON - SINGLE	
	PUSHBUTTON - DOUBLE	
	PUSHBUTTON - TRIPLE	
S_M	MOTOR RATED TOGGLE SWITCH	
S_F	SWITCH / FUSE ASSEMBLY	
S_T	SWITCH / THERMAL OVERLOAD	
	COMBO MOTOR STARTER / DISCONNECT SWITCH	60"
	MOTOR	
XXX-###	EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)	
	NON-FUSED DISCONNECT SWITCH	54"
F	FUSED DISCONNECT SWITCH	54"
	MOTOR STARTER	54"
	MUSHROOM HEAD PUSHBUTTON	
	EQUIPMENT CONNECTION	

LIGHTING CONTROLS

SYMBOL	DESCRIPTION	MTG HT
xx S	LIGHTING CONTROL TYPE LEGEND X = SINGLE POLE SWITCH X DENOTES SWITCH LEG 2 = DOUBLE POLE SWITCH 3 = 3-WAY SWITCH 4 = 4-WAY SWITCH EP = EXPLOSION PROOF SWITCH E = EMERGENCY SWITCH LV = LOW VOLTAGE SWITCH PL = PILOT LIGHT SWITCH K = KEY OPERATED SWITCH L = LIGHTED TOGGLE SWITCH MC = MOMENTARY CONTACT SWITCH VS = WALL SENSOR VACANCY SWITCH OS = WALL SENSOR OCCUPANCY SENSOR	46"
	DIMMER - "X" DENOTES TYPE (SEE SPEC.)	46"
CEILING WALL	LIGHTING CONTROL TYPE LEGEND R = LINE VOLTAGE RELAY TS = TIME SWITCH C = CONTACTOR CL = CURRENT LIMITER VS = VACANCY SENSOR OS = OCCUPANCY SENSOR RC = ROOM CONTROLLER PS = PHOTOSENSOR ER = EMERGENCY BYPASS RELAY B = REMOTE BALLAST / DRIVER BAT = REMOTE BATTERY	

LIGHTING

SYMBOL	DESCRIPTION	MTG HT
	FIXTURE RECESSED MOUNTED	CEILING
	FIXTURE SURFACE MOUNTED	CEILING
	CEILING MOUNTED STRIP FIXTURE	
	WALL MOUNTED STRIP FIXTURE	WALL
	DOWN LIGHT FIXTURE	CEILING
	WALL MOUNTED FIXTURE	WALL
	PENDANT FIXTURE	
	TRACK LIGHTING, HEADS SPACED AS INDICATED	
	LIGHT FIXTURE ON EMERGENCY CIRCUIT	
	EXIT LIGHT FACE DIRECTIONAL ARROWS AS INDICATED	WALL
	EXIT LIGHT FACE DIRECTIONAL ARROWS AS INDICATED	CEILING
	EXIT LIGHT WITH EMERGENCY HEADS DIRECTIONAL ARROWS AS INDICATED	WALL
	EXIT LIGHT WITH EMERGENCY HEADS DIRECTIONAL ARROWS AS INDICATED	CEILING
	SELF-CONTAINED EMERGENCY LIGHTING UNIT	WALL
	SELF-CONTAINED EMERGENCY LIGHTING UNIT	CEILING
	EXTERIOR POLE MOUNTED FIXTURE	GRADE
	EXTERIOR BOLLARD FIXTURE	GRADE

CABLING

SYMBOL	DESCRIPTION	MTG HT
	WIRE, CONDUIT PER SPECIFICATIONS	
	WIRE IN OR BELOW SLAB OR UNDER GROUND (UG), CONDUIT PER SPECIFICATIONS	
||| |||	WIRE COUNTS WHEN MORE THAN 2 WIRES IN CONDUIT PLUS GROUND	
	HOME RUN	
	CONDUIT SLEEVE	
	CONDUIT STUB	

COMMUNICATIONS / DATA

SYMBOL	DESCRIPTION	MTG HT
	TELEPHONE CABINET - SIZE AS INDICATED	
	RACK - SIZE AS INDICATED	
	COMMUNICATIONS BOARD - SIZE AS INDICATED	
	FLOOR BOX	
	TELEPHONE	18"
	TELEPHONE - WALL HUNG	46"
	COMBINATION PHONE/DATA OUTLET	18"
	DATA OUTLET	18"
C	DATA - CEILING MOUNTED	CLG
H	HANDSET	
x	WALL CLOCK TYPE LEGEND M = MASTER CLOCK D = DUAL FACE CLOCK C = CLOCK OUTLET NONE = STANDARD WALL CLOCK	94"
S	SPEAKER - WALL MOUNTED	
S	SPEAKER - CEILING MOUNTED	94"
SM	SOUND REINFORCEMENT - CEILING MOUNTED	
	WALL/FLOOR COMMUNICATIONS DEVICE A = AUDIO OUTLET H = HORN IC = CALL STATION M = MICROPHONE MA = MICROPHONE REMOTE ANTENNA MM = MULTIMEDIA OUTLET P = PROJECTOR RS = ROOM SCHEDULER WM = WIRELESS MICROPHONE SYSTEM	
	CEILING COMMUNICATIONS DEVICE A = AUDIO OUTLET H = HORN IC = CALL STATION M = MICROPHONE MA = MICROPHONE REMOTE ANTENNA MM = MULTIMEDIA OUTLET P = PROJECTOR RS = ROOM SCHEDULER WM = WIRELESS MICROPHONE SYSTEM	
X	WALL COMMUNICATIONS DEVICE SC = SCREEN CONTROLLER TV = TV OUTLET V = VOLUME CONTROL	
X	CEILING COMMUNICATIONS DEVICE M = MICROPHONE OUTLET SC = SCREEN CONTROLLER TERMINATION BOX TV = TV OUTLET	
	BUZZER	
S	BUZZER/STROBE	
	BELL	
C	CHIME	44"
RP	RESCUE ASSIST CALL STATION	
RAP	RESCUE ASSIST ZONE ANNUNCIATOR	
RPS	RESCUE ASSIST POWER SUPPLY WITH PHONE INTERFACE	

SECURITY

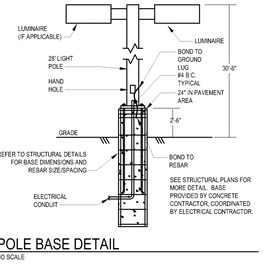
SYMBOL	DESCRIPTION	MTG HT
	SECURITY CALL BUTTON	
	SECURITY ALARM PUSHBUTTON (DURESS BUTTON)	
S	ELECTRIC STRIKE	
L	ELECTRIC LATCH	
SM	SECURITY MAGNETIC CONTACT	
SM	SECURITY MOTION SENSOR - REQUEST TO EXIT	
IC	FACILITY INTERCOM	46"
K	SECURITY KEYPAD	46"
CR	SECURITY CARD READER	46"
	INDICATOR LIGHT - CEILING MOUNTED	
	INDICATOR LIGHT - WALL MOUNTED	
x	PAGING HORN	
	CCTV CAMERA - CEILING MOUNTED	
	CCTV CAMERA - WALL MOUNTED	
VM	VIDEO MONITOR	
EP	EMERGENCY PHONE - WALL MOUNTED	
EP	EMERGENCY PHONE - BOLLARD MOUNTED	
A	ALARM	

FIRE ALARM

SYMBOL	DESCRIPTION	MTG HT
FACP	FIRE ALARM CONTROL PANEL	
FAA	REMOTE FIRE ALARM ANNUNCIATOR PANEL	
BATT	FIRE ALARM BATTERY CABINET	
AUX	FIRE ALARM AUXILIARY CABINET	
NAC	FIRE ALARM NAC PANEL	
	MAGNETIC DOOR HOLD OPEN	
	FIRE ALARM BELL AND LIGHT	90"
	FIRE ALARM HORN, WALL MOUNT	82"
M or L	FIRE ALARM MINI HORN (M), LOW TONE (L), WALL MOUNT	82"
	FIRE ALARM SPEAKER	82"
##	FIRE ALARM STROBE ## DENOTES CANDELA RATING	82"
##	FIRE ALARM HORN/STROBE ## DENOTES CANDELA RATING	82"
##	FIRE ALARM SPEAKER/STROBE ## DENOTES CANDELA RATING	82"
	FIRE ALARM HORN, CEILING	CEILING
M or L	FIRE ALARM MINI HORN (M), LOW TONE (L), CEILING MOUNT	CEILING
	FIRE ALARM SPEAKER, CEILING	CEILING
##	FIRE ALARM STROBE, CEILING ## DENOTES CANDELA RATING	CEILING
##	FIRE ALARM HORN/STROBE, CEILING ## DENOTES CANDELA RATING	CEILING
##	FIRE ALARM SPEAKER/STROBE, CEILING ## DENOTES CANDELA RATING	CEILING
FSD	COMBINATION FIRE/SMOKE DAMPER	
S	SMOKE DAMPER	
Z	FIRE ALARM ADDRESSABLE MODULE	
FR	FIRE ALARM RELAY MODULE	
	FIRE ALARM MANUAL PULL STATION	44"
	FIRE ALARM SMOKE DETECTOR PHOTOELECTRIC TYPE CEILING MOUNT	CEILING
	FIRE ALARM SMOKE DETECTOR IONIZATION TYPE CEILING MOUNT	CEILING
	CARBON MONOXIDE DETECTOR CEILING MOUNT	CEILING
	MULTI CRITERIA DETECTOR CEILING MOUNT	CEILING
	FIRE ALARM DUCT SMOKE DETECTOR	
135	FIRE ALARM HEAT DETECTOR CEILING MOUNT 135 = 135 DEG. FIXED HEAT DETECTOR 200 = 200 DEG. FIXED HEAT DETECTOR ROR = 135 DEG. RATE OF RISE HEAT DETECTOR	CEILING
	FIRE ALARM SMOKE DETECTOR PHOTOELECTRIC TYPE WALL MOUNT	
	FIRE ALARM SMOKE DETECTOR IONIZATION TYPE WALL MOUNT	
	CARBON MONOXIDE DETECTOR WALL MOUNT	
	MULTI CRITERIA DETECTOR WALL MOUNT	
	FIRE ALARM BEAM DETECTOR - TRANSMITTER	
	FIRE ALARM BEAM DETECTOR - RECEIVER	
135	FIRE ALARM HEAT DETECTOR WALL TYPE 135 = 135 DEG. FIXED HEAT DETECTOR 200 = 200 DEG. FIXED HEAT DETECTOR ROR = 135 DEG. RATE OF RISE HEAT DETECTOR	
FS	FIRE SPRINKLER TAMPER SWITCH	
FL	FIRE SPRINKLER FLOW SWITCH	
PIV	FIRE SPRINKLER POST INDICATOR VALVE (PIV)	

NOTES:

1. THESE SYMBOLS COMPRISE A STANDARD LIST; ALL SYMBOLS MAY NOT APPEAR ON THIS PROJECT.
2. MOUNTING HEIGHTS SHOWN ARE STANDARD AND SHALL BE USED UNLESS INDICATED OTHERWISE ELSEWHERE IN THE DRAWINGS. MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE UNLESS NOTED OTHERWISE.



4 POLE BASE DETAIL
NO SCALE

LIGHT FIXTURE SCHEDULE

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

BCS HYATT REGENCY

3200 East 81st Street, Bloomington, MN 55425

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

JUSTIN J. ARTZ
Typed or Printed Name

45466 — License #
12/03/2021 — Date

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PERMIT SET
12/03/2021

ORIGINAL ISSUE:
12/03/21

REVISIONS:

No.	Description	Date

4472.0002
PROJECT NUMBER

MBS — DRAWN BY
JJA — CHECKED BY

KEY PLAN

BCS HYATT REGENCY
PARKING IMPROVEMENTS

ELECTRICAL HOTEL TITLE SHEET

E0.0H

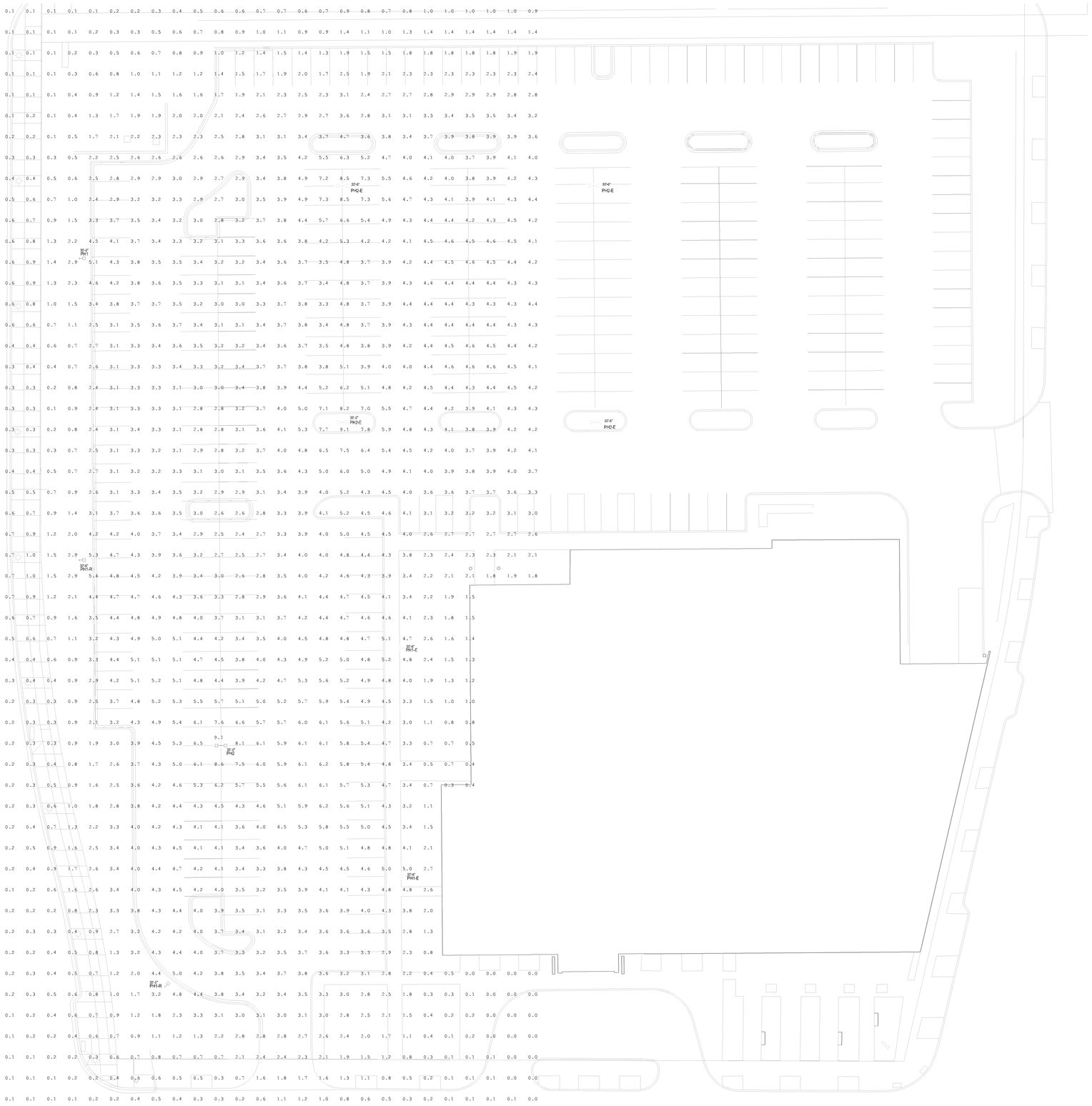
CASE #PL2021-226

GENERAL NOTES:

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

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

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
East Prop Line	Illuminance	Fc	0.38	1.0	0.0	N.A.	N.A.
Hotel Parking Lot Site	Illuminance	Fc	2.69	9.1	0.0	N.A.	N.A.
North Prop Line	Illuminance	Fc	0.54	0.8	0.1	5.40	8.00
Parking Lot	Illuminance	Fc	4.04	8.9	1.3	3.11	6.85
South Prop Line	Illuminance	Fc	0.52	2.3	0.0	N.A.	N.A.
West Prop Line	Illuminance	Fc	0.74	2.4	0.1	7.40	24.00



1 ELECTRICAL HOTEL PARKING LOT PHOTOMETRIC
SCALE: 1" = 20'-0"

LIGHTING PLAN APPROVED
CITY OF BLOOMINGTON MINNESOTA
NMJ
03/22/2022

BCS HYATT REGENCY

3200 East 81st Street, Bloomington,
MN 55425

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

JUSTIN J. ARTZ
Typed or Printed Name

45466 License # 12/03/2021 Date

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PERMIT SET
12/03/2021

ORIGINAL ISSUE:
12/03/21

REVISIONS:

No.	Description	Date

4472.0002
PROJECT NUMBER

BWJ DRAWN BY JJA CHECKED BY

KEY PLAN

BCS HYATT REGENCY
PARKING IMPROVEMENTS

ELECTRICAL HOTEL PARKING LOT PHOTOMETRIC

E0.1H

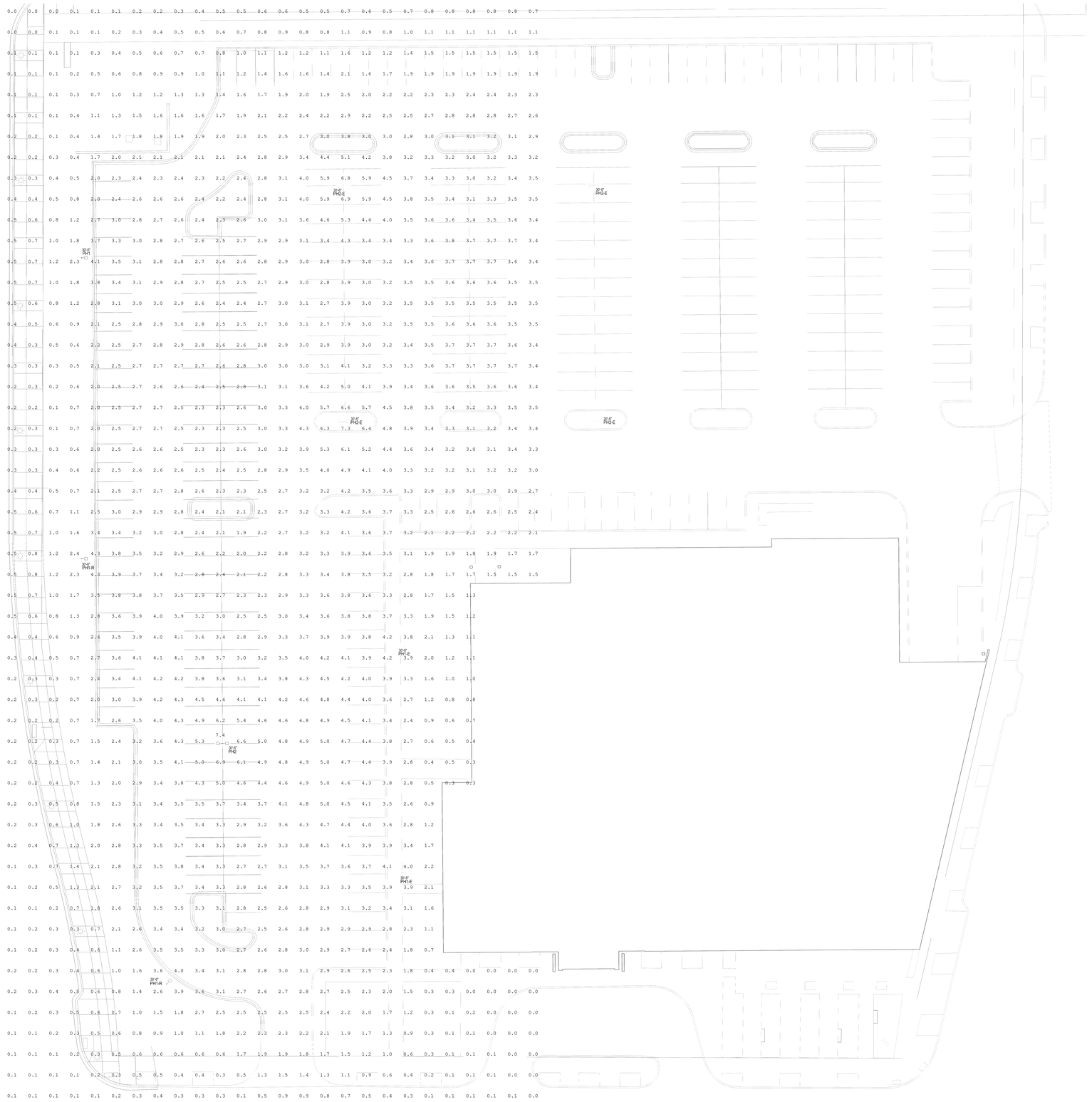
CASE #PL2021-226

GENERAL NOTES:

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

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

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
East Prop Line	Illuminance	Fc	0.32	0.8	0.0	N.A.	N.A.
Hotel Parking Lot Site	Illuminance	Fc	2.18	7.4	0.0	N.A.	N.A.
North Prop Line	Illuminance	Fc	0.45	0.7	0.0	N.A.	N.A.
Parking Lot	Illuminance	Fc	3.27	7.2	1.1	2.97	6.55
South Prop Line	Illuminance	Fc	0.42	1.8	0.0	N.A.	N.A.
West Prop Line	Illuminance	Fc	0.60	1.9	0.0	N.A.	N.A.



1 ELECTRICAL HOTEL PARKING LOT PHOTOMETRIC
SCALE: 1" = 20'-0"

LIGHTING PLAN APPROVED
CITY OF BLOOMINGTON MINNESOTA
NMJ
03/22/2022

BCS HYATT REGENCY

3200 East 81st Street, Bloomington, MN 55425

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

JUSTIN J. ARTZ
Typed or Printed Name

45466 License # | 12/03/2021 Date

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PERMIT SET
12/03/2021

ORIGINAL ISSUE:
12/03/21

REVISIONS:

No.	Description	Date

4472.0002
PROJECT NUMBER

BWJ DRAWN BY | JJA CHECKED BY

KEY PLAN

BCS HYATT REGENCY
PARKING IMPROVEMENTS

ELECTRICAL HOTEL PARKING LOT PHOTOMETRIC

E0.2H