ELECTRICAL SYMBOLS – LIGHTING PLAN

- SWITCH, CEILING MOUNTED PULL
- $2 SWITCH
  - BLANK = SINGLE POLE
  - 3 = THREE-WAY
  - D = DIMMER
  - LV= LOW VOLTAGE
  - LM= LOW VOLTAGE MASTER
  - PB= PUSH BUTTON STATION
  - T = TIMER OPERATED
  - X = EXPLOSION PROOF
  - M2= DUAL CIRCUIT OCCUPANCY SENSOR
  - 2 = DOUBLE POLE
  - 4 = FOUR-WAY
  - K = KEY OPERATED
  - L = LOCK
  - P = WITH PILOT LIGHT
  - RC= REMOTE CONTROL
  - WP= WEATHER PROOF
  - Mo= OCCUPANCY SENSOR
- SWITCH, LAMP HOLDER POLE
- LIGHT FIXTURE CEILING MOUNTED
- LIGHT FIXTURE, RECESSED FLUORESCENT, 2'x4' [610x1220mm]; LETTER INDICATES TYPE.
- LIGHT FIXTURE, RECESSED FLUORESCENT, 1'x4' [305x1220mm]; LETTER INDICATES TYPE.
- LIGHT FIXTURE, RECESSED FLUORESCENT, 1'x8' [305x2439mm]; LETTER INDICATES TYPE.
- LIGHT FIXTURE, SURFACE MOUNTED FLUORESCENT, 2'x4' [610x1220mm]; LETTER INDICATES TYPE.
- LIGHT FIXTURE, SURFACE MOUNTED FLUORESCENT, 1'x4' [305x1220mm]; LETTER INDICATES TYPE.
- LIGHT FIXTURE, SURFACE MOUNTED FLUORESCENT, 1'x8' [305x2439mm]; LETTER INDICATES TYPE.
- LIGHT FIXTURE, FLUORESCENT EMERGENCY; LETTER INDICATES TYPE.
- LIGHT FIXTURE, RECESSED FLUORESCENT, 2'x2' [610x610mm]; LETTER INDICATES TYPE.
- LIGHT FIXTURE, SURFACE MOUNTED FLUORESCENT, 2'x2' [610x610mm]; LETTER INDICATES TYPE.
- LIGHT TRACK WITH HEADS AS SHOWN
- LIGHT FIXTURE, STRIP/INDUSTRIAL FLUORESCENT; LETTER INDICATES TYPE.
- LIGHT FIXTURE, WALL MOUNTED
- LIGHTING, CEILING MOUNTED DOWNLIGHT
- LIGHTING, ONE HEAD EMERGENCY BATTERY POWER
- LIGHTING, TWO HEAD EMERGENCY BATTERY POWER
- LIGHTING, THREE HEAD EMERGENCY BATTERY POWER
- STREET LIGHT WITH BRACKET
- LIGHT POLE, ONE MAST ARM, ONE LUMINAIRE
- LIGHT POLE, TWO MAST ARMS, TWO LUMINAIRES
- LIGHT POLE, POST TOP MOUNT LUMINAIRE
- LIGHT POLE, ONE LUMINAIRE
- LIGHT POLE, TWO LUMINAIRES
- LIGHTING, EXTERIOR BUILDING
- EXTERIOR FLOOD LIGHT
- EXIT SIGN, WALL MOUNTED WITH DIRECTIONAL ARROWS AND FACES AS SHOWN
- EXIT SIGN, CEILING MOUNTED WITH DIRECTIONAL ARROWS AND FACES AS SHOWN
- LIGHT FIXTURE, BOLLARD
- LIGHT FIXTURE, DIRECTIONAL
- FRONT FACE EXIT SIGN W/ TWO HEAD EMERGENCY BATTERY POWER
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED PHOTO CELL
- WALL MOUNTED PHOTO CELL
- LIGHT FIXTURE TAG, REFER TO LIGHT FIXTURE SCHEDULE FOR SPECIFIED LIGHT FIXTURE

ELECTRICAL SYMBOLS – POWER PLAN

- MOTOR, SINGLE-PHASE
- MOTOR, THREE-PHASE
- TRANSFORMER, PLAN
- WYE CONNECTION
- DUCT, CELL FLOOR HEADER
- DUCT, TROLLEY
- DUCT, UNDERFLOOR JUNCTION BOX
- EARTH GROUND
- JUNCTION BOX
- LADDER CABLE TRAY
- BRANCH CIRCUIT HOMERUN. LINES INDICATE NUMBER OF CIRCUITS, NEUTRAL, AND SWITCH LEG CONDUCTORS. ONE SEPARATE GREEN GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH HOMERUN; NOT SHOWN
- HASH MARKS INDICATE NUMBER OF #12 AWG CONDUCTORS IN CONDUIT. NO MARKS INDICATE 2 #12'S. DOES NOT INCLUDE GROUND WIRE. IF NON-METALLIC CONDUIT ADD GROUND PER NEC.
- PULL BOX
- WIREWAY
- RC — RIGID CONDUIT LINE = RC
- DB — DIRECT BURIAL CABLE = DB
- P — POWER DUCT = P
- SUBSTATION
- HVS — HI VOLTAGE SWITCH ON CONCRETE PAD
- LVS — LOW VOLTAGE SWITCH ON CONCRETE PAD
- DUAL POWER AND TELECOMMUNICATIONS MANHOLE
- BUSWAY
- FLOOR OUTLET, DATA COMMUNICATION
- WALL MOUNTED OUTLET, DATA TELEPHONE COMMUNICATION
- OUTLET, DATA COMMUNICATION
- PUSH BUTTON
- DP — DISTRIBUTION PANEL
- LP — LIGHTING PANEL
- PANELBOARD CABINET, FLUSH MOUNTED
- PANELBOARD CABINET, SURFACE MOUNTED
- RECEPTACLE, CLOCK HANGER
- RECEPTACLE, DUPLEX
- RECEPTACLE, DUPLEX ON EMERGENCY POWER
- RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER
- RECEPTACLE, QUADRAPLEX
- RECEPTACLE, QUADRAPLEX W/ ISOLATED GROUND
- RECEPTACLE, SWITCHED DUPLEX
- DROP CORD, SINGLE CONVENIENCE OUTLET, 3-WIRE, GROUNDING TYPE, 20A, W/#12 CONDUCTORS IN FLEXIBLE CORD (CENTER LINE OF OUTLET: 6'-6" [1981mm] AFF. MINIMUM).
- ELECTRICAL STRIP MOLD (OUTLETS ON 2'-0" [610mm] CENTERS OR AS DESIGNATED ON DRAWINGS), MTD 3'-6" [1067mm] AFF OR AS INDICATED.
- 3-GANG COMPARTMENT BOX IN FLOOR FOR TELEPHONE, DATA & RECEPTACLE.
- RELAY; LETTER INDICATES RELAY TYPE
  - 50 = INSTANTANEOUS OVERCURRENT OR RATE-OF-RISE
  - 51 = AC-TIME OVERCURRENT
  - 67 = AC-DIRECTIONAL OVERCURRENT
  - 86 = LOCK OUT

ELECTRICAL SYMBOLS – POWER PLAN

- DISCONNECT SWITCH, FUSED PER MANUFACTURER'S NAMEPLATE
- DISCONNECT SWITCH, UNFUSED
- STARTER, COMBINATION WITH DISCONNECT SWITCH
- STARTER OR MOTOR CONTROLLER
- VFD — VARIABLE FREQUENCY DRIVE
- TC — TIME CLOCK
- POTHEAD
- STRESS CONE
- RECTIFIER, CATHODIC PROTECTION SANITARY
- VENTILATOR OR FAN COIL UNIT OUTLET
- CONDUIT TERMINATED 6" [152mm] AFF IN STANDARD BOX FOR EXTENSION TO EQUIPMENT AS DIRECTED.
- CONDUIT TERMINATED W/COUPLING (FLUSH W/FINISHED FLOOR) FOR EXTENSION TO EQUIPMENT AS DIRECTED.
- $2 SWITCH
  - F = FUSED SWITCH
  - L = LOCK
  - M = MANUAL MOTOR STARTING
  - MP= MOTOR SNAP WITH PILOT LIGHT (THERMAL TYPE)
  - PB= PUSH BUTTON STATION
  - WP= WEATHER PROOF
  - K = KEY OPERATED
  - LM= LOW VOLTAGE MASTER
  - MC= MOMENTARY CONTACT
  - P = WITH PILOT LIGHT
  - RC= REMOTE CONTROL
  - X = EXPLOSION PROOF
- FF 1 — MECHANICAL EQUIPMENT TAG. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR MORE INFORMATION.

ELECTRICAL SYMBOLS – DIAGRAM & FIRE/SAFETY

- DELTA CONNECTION
- MOTOR, SINGLE-PHASE
- MOTOR, THREE-PHASE
- TRANSFORMER
- WYE CONNECTION
- EARTH GROUND
- JUNCTION BOX
- PB — PULL BOX
- P — ALARM, FIRE, MANUAL PULL STATION
- ALARM, HORN/LIGHT, ONE ASSEMBLY
- DETECTOR, SMOKE, FOR DUCT
- FA — FIRE ALARM LINE = FA
- MD — SECURITY, MOTION DETECTOR
- DC — SECURITY, DOOR CONTACT
- DETECTOR, SMOKE, CEILING MOUNTED
- DS — DOOR SWITCH
- KP — KEY PAD
- S — SPEAKER
- CAMERA
- WIRELESS WIFI ANTENNA/ RECEIVER FURNISHED BY OWNER

FULLY SPRINKLERED

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Dwg. X of X

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