APPLICABLE CODES AND STANDARDS

ALL ELECTRICAL MATERIALS, INSTALLATION, TESTING, CLEANING, SUPPORTS, AND WORKMANSHIP SHALL BE IN STRICT ACCORDANCE WITH THE BELOW LISTED APPLICABLE CODES INCLUDE BUT ARE NOT LIMITED TO:

2020 BUILDING CODE OF NEW YORK STATE (IBC 2018 W/ AMENDMENTS)
2017 NATIONAL ELECTRICAL CODE
2020 FIRE CODE OF NEW YORK STATE (IBC 2018 W/ AMENDMENTS)
2015 INTERNATIONAL ENERGY CONSERVATION CODE (W/ NEW YORK STATE AMENDMENTS)

ELECTRICAL SHEET LIST

SHEET NUMBER	SHEET NAME
E-001	ELECTRICAL LEGENDS
E-002	ELECTRICAL NOTES
E-003	ELECTRICAL SPECIFICATIONS
E-004	FIRE ALARM NOTES AND SPECIFICATIONS
E-101	ELECTRICAL SITE PLAN
E-201	ELECTRICAL POWER PLAN - FIRST FLOOR
E-202	ELECTRICAL POWER PLAN - SECOND FLOOR
E-203	ELECTRICAL POWER PLAN - THIRD FLOOR
E-204	ELECTRICAL POWER PLAN - FOURTH FLOOR
E-205	ELECTRICAL POWER PLAN - ROOF
E-301	ELECTRICAL LIGHTING PLAN - FIRST FLOOR
E-302	ELECTRICAL LIGHTING PLAN - SECOND FLOOR
E-303	ELECTRICAL LIGHTING PLAN - THIRD FLOOR
E-304	ELECTRICAL LIGHTING PLAN - FOURTH FLOOR
E-401	ELECTRICAL ENLARGED PLANS
E-501	ELECTRICAL ONE LINE DIAGRAM
E-502	ELECTRICAL DETAILS
E-503	ELECTRICAL DETAILS
E-601	ELECTRICAL SCHEDULES
E-602	ELECTRICAL SCHEDULES

FIXTURE TAG LEGEND

A,a
PANEL-##

A (UPPER CASE LETTER) - DENOTES FIXTURE TYPE
a (LOWER CASE LETTER) - DENOTES SWITCH LEG
PANEL (PANEL NAME) - DENOTES PANEL NAME
(CIRCUIT NUMBER) - DENOTES CIRCUIT NUMBER

LIGHTING CONTROL TAG LEGEND

A,a

A (UPPER CASE LETTER) - DENOTES CONTROL TYPE
a (LOWER CASE LETTER) - DENOTES SWITCH LEG

LEGEND NOTES:

1. MULTI-ZONE SWITCHES WITH MULTIPLE DISCTINCT SWITCH LEGS INDICATED IN THE LIGHTING CONTROL TAG VIA MULTIPLE LOWER CASE LETTERS SEPERATED BY COMMAS.

LIGHTING CONTROLS LEGEND

$OS	WATTSTOPPER WALL SWITCH VACANCY SENSOR. MODEL #DSW-301. VACANCY SENSOR PROVIDES UP TO 600 SQ. FT. OF COVERAGE. PROVIDE APPROPRIATE ACCESSORIES AS NEEDED.
$OSD	WATTSTOPPER WALL SWITCH VACANCY SENSOR WITH DIMMING. MODEL #DW-311. OCCUPANCY SENSOR PROVIDES UP TO 600 SQ. FT. OF COVERAGE. PROVIDE APPROPRIATE ACCESSORIES AS NEEDED.
$LV	WATTSTOPPER DIGITAL WALL SWITCH. MODEL #LMSW-10#. PROVIDE NUMBER OF ZONES TO MATCH NUMBER OF SPECIFIED SWITCH ZONES. COORDINATE EXACT SPEC WITH OWNER PRIOR TO PURCHASE. PROVIDE APPROPRIATE POWER PACKS AND OTHER WATTSTOPPER ACCESSORIES AS NEEDED.
$LVD	WATTSTOPPER DIGITAL WALL SWITCH WITH DIMMING. MODEL #LMDM-101. PROVIDE SWITCH FOR EACH LIGHTING ZONE. PROVIDE NUMBER OF ZONES TO MATCH NUMBER OF SPECIFIED SWITCH ZONES. COORDINATE EXACT SPEC WITH OWNER PRIOR TO PURCHASE. PROVIDE APPROPRIATE POWER PACKS AND OTHER WATTSTOPPER ACCESSORIES AS NEEDED.
OS	WATTSTOPPER CEILING MOUNTED RADIAL AREA OCCUPANCY SENSOR. (REFER TO LIGHTING CONTROL LEGEND.)
OSI	WATTSTOPPER WALL MOUNTED LINEAR HALLWAY OCCUPANCY SENSOR, ARROW INDICATES DIRECTION APPROXIMATELY 90 LINEAR FEET COVERAGE (REFER TO LIGHTING CONTROLS LEGEND.)
W	WATTSTOPPER WIDE VIEW VACANCY SENSOR; DESIGNED TO MOUNT IN CORNER. MODEL #LMDX-100. PROVIDES DETECTION UP TO 40 FT. FROM SENSOR. PROVIDE APPROPRIATE POWER PACKS AND OTHER WATTSTOPPER ACCESSORIES AS NEEDED.
H	WATTSTOPER HALLWAY OCCUPANCY SENSOR. MODEL #LMUC-100. PROVIDES DETECTION UP TO 130 FT. FROM SENSOR. PROVIDE APPROPRIATE POWER PACKS AND OTHER WATTSTOPPER ACCESSORIES AS NEEDED.
PS	WATTSTOPPER PHOTOCELL SENSOR. MODEL #LMLS-400. PROVIDES AUTOMATIC DIMMING OF FIXTURES IN DAYLIGHT ZONE INDICATED. PROVIDE APPROPRIATE POWER PACKS AND OTHER nLIGHT ACCESSORIES AS NEEDED.
	DAYLIGHTING ZONE. PROVIDE PHOTOCELL SENSOR. ALL FIXTURES WITHIN ZONE SHALL BE AUTOMATICALLY DIMMED AS DAYLIGHT LEVELS RISE.

NOTES:

1. ALL OCCUPANCY SENSORS SHALL BE CALIBRATED AND SETTINGS ADJUSTED BY THE E.C. ALL OCCUPANCY SENSORS SHALL HAVE THE TIME DELAY SET TO THE MAXIMUM SETTING.
2. ALL OCCUPANCY SENSORS SHALL PASS NEMA WD7 TESTING.
3. REFER TO LIGHTING CONTROL SCHEDULE FOR MORE INFORMATION. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A COMPLETE, OPERATIONAL AND CODE COMPLIANT LIGHTING CONTROL SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL WIRING, CABLING, DEVICES, COMPONENTS, ETC. AS REQUIRED BY THE MANUFACTURER. REFER TO INSTALLATION MANUALS AND WIRING DIAGRAMS PROVIDED BY THE MANUFACTURER.
4. THE BASIS OF DESIGN FOR LIGHTING CONTROLS IS LEGRAND WATTSTOPPER. ANY ADDITIONAL COST INCURRED BY AN APPROVED SUBSTITUTION (INCLUDING ENGINEERING COSTS OF REDESIGN) WILL BE AT CONTRACTOR'S EXPENSE.
5. PRODUCTS BY LEVITON, GREENGATE AND/OR NLIGHT THAT ARE EQUIVALENT TO WATTSTOPPER ARE ACCEPTABLE.
6. **FOR SUBMITTALS**: SUBMIT DIMENSIONED DRAWINGS OF LIGHTING CONTROL SYSTEM AND ACCESSORIES INCLUDING, BUT NOT LIMITED TO: RELAY PANELS, SWITCHES, PHOTOCELLS, CONTROLLERS AND OTHER INTERFACES. SHOP DRAWINGS SHALL INDICATE LOCATION OF EACH DEVICE OR AN RFI TO CONFIRM LOCATION. PLANS ARE FLOOR PLAN DIAGRAMS. "CUT SHEET" SUBMITTAL NOT ACCEPTABLE. SUBMIT A ONE-LINE DIAGRAM OF THE SYSTEM CONFIGURATION INDICATING THE TYPE, SIZE AND NUMBER OF CONDUCTORS BETWEEN EACH COMPONENT IF IT DIFFERS FROM THAT ILLUSTRATED IN THE RISER DIAGRAM IN THESE SPECIFICATIONS. SUBMITTALS THAT SHOW TYPICAL RISER DIAGRAMS ARE NOT ACCEPTABLE.

ELECTRICAL LEGEND

ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED IN THIS PROJECT

(E)	EXISTING
(R)	RELOCATED
(N)	NEW
(D)	DEMO
	NEW OR RELOCATED LIGHT FIXTURE. LETTER INDICATES TYPE. REFER TO LIGHT FIXTURE SCHEDULE FOR MORE INFORMATION.
	NEW EMERGENCY LIGHT FIXTURE. PROVIDE WITH EMERGENCY POWER SOURCE. REFER TO LIGHT FIXTURE SCHEDULE FOR MORE INFORMATION.
	EXIT LIGHT. PROVIDE DIRECTIONAL CHEVRON(S) ARROW(S) AS INDICATED ON PLANS. PROVIDE WITH INTEGRAL BATTERY PACK UNO. CONNECT TO UNSWITCHED POWER LEADS.
$	SINGLE POLE SWITCH
$M	MANUAL MOTOR STARTER WITH PROPER THERMAL ELEMENT INSTALLED.
$MC	SWITCH, THREE-WAY MOMENTARY CONTACT TOGGLE TYPE WITH CENTER NEUTRAL POSITION. SIMILAR TO ASCO # 173A2.
	DUPLEX RECEPTACLE, 20AMP, 125VOLT, 2POLE, 3WIRE, GROUNDING TYPE, NEMA 5-20R UNO.
	SIMPLEX RECEPTACLE. SIMILAR TO DUPLEX RECEPTACLE
	DOUBLE (QUAD) DUPLEX RECEPTACLE WITH COMMON COVER PLATE. SIMILAR TO DUPLEX RECEPTACLE.
	GROUND FAULT INTERRUPTOR (GFI) DUPLEX RECEPTACLE. SIMILAR TO DUPLEX RECEPTACLE ABOVE.
WP	WEATHERPROOF (WP) DUPLEX RECEPTACLE. SIMILAR TO DUPLEX RECEPTACLE ABOVE.
WP	GROUND FAULT INTERRUPTOR (GFI) & WEATHERPROOF (WP) DUPLEX RECEPTACLE. SIMILAR TO DUPLEX RECEPTACLE ABOVE.
	DEDICATED RECEPTACLE, PROVIDE GRAY COLOR (CONFIRM W/ ARCHITECT) RECEPTACLE AND COVER PLATE, WITH INTENDED USAGES OF RECEPTACLES ENGRAVED ON COVERPLATE (E.G. "COPIER"). ELECTRICIAN SHALL CONFIRM RECEPTACLE TYPE REQUIRED WITH OWNER/EQPM VENDOR PRIOR TO INSTALL.
	SPLIT-WIRE RECEPTACLE WITH EACH HOT WIRE CONNECTED TO A DOUBLE-POLE CIRCUIT BREAKER. SIMILAR TO DUPLEX RECEPTACLE ABOVE.
	DATA OUTLET. PROVIDE BACK BOX/COVER PLATE. INSTALL 3/4"C. WITH BUSHING AND PULL STRING, STUBBED TO ACCESSIBLE CEILING.
	POKE-THRU OR RECESSED FLOOR BOX FOR POWER. TYPE SPECIFIED ON PLANS.
	POKE-THRU OR RECESSED FLOOR BOX FOR POWER AND DATA. TYPE SPECIFIED ON PLANS.
	CEILING MOUNTED DUPLEX RECEPTACLE, 20AMP, 125VOLT, 2POLE, 3WIRE, GROUNDING TYPE, NEMA 5-20R UNO.
J	JUNCTION BOX.
	ELECTRICAL PANEL BOARDS.
	DISCONNECT SWITCH. ALL SWITCHES SHALL BE HEAVY DUTY TYPE (E.G. 30A/3P/600NF/NEMA 1)
	CONDUIT RUN CONCEALED IN WALL OR CEILING
	CONDUIT RUN CONCEALED IN FLOOR
	UNDERGROUND CONDUIT
	HOMERUN TO ELECTRICAL PANELBOARDS
CA	CLOSED CIRCUIT , DOME TYPE CAMERA WITH 360° OF COVERAGE, MOUNTED AT CEILING
DC	DOOR CONTACTOR
KP	KEY PAD
RE	DOOR REALEASE BUTTON

LEGEND NOTES:

1. THE WORD "PROVIDE" AS USED IN THESE DRAWINGS SHALL MEAN "MATERIALS AND LABOR FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR".

ELECTRICAL ABBREVIATIONS

(D)	DEMO
(E)	EXISTING
(N)	NEW
(R)	RELOCATE
(RM)	REMOVE EXISTING EQUIPMENT
(R'D)	RELOCATED EQUIPMENT
AC	ALTERNATING CURRENT
AF	AMPERE FUSE
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERE INTERRUPTING CAPACITY
AMP	AMPERE
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CKT	CIRCUIT
CLG	CEILING
CT	CURRENT TRANSFORMER
CU	COPPER
DISC.	DISCONNECT
DIST.	DISTRIBUTION
EA	EACH
E.C.	ELECTRICAL CONTRACTOR
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATION PANEL
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FTL	FEED THRU LUGS
G.C.	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
GRD	GROUND
GRS	GALVANIZED RIGID STEEL
HP	HORSEPOWER
IDF	INTERMEDIATE DISTRIBUTION FRAME
I.P.S.	INVERTER POWER SYSTEM
JB	JUNCTION BOX
KVA	KILO-VOLT-AMPERE
KW	KILOWATT
LAN	LOCAL AREA NETWORK
LTS	LIGHTS
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MDF	MAIN DISTRIBUTION FRAME
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG	MOUNTING
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NON-FUSED
NTS	NOT TO SCALE
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OC	OVERCURRENT
OCP	OVERCURRENT PROTECTION
P	POLE
PA	PUBLIC ADDRESS
PB	PUSH BUTTON
PH	PHASE
PNL	PANEL
RCPT	RECEPTACLE
REC	RECEPTACLE
RECP	RECEPTACLE
REQ'D	REQUIRED
SN	SOLID NEUTRAL
SPECS	SPECIFICATIONS
SPKR	SPEAKER
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TEL	TELEPHONE
TTB	TELEPHONE TERMINAL BOARD
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP.	TYPICAL
UC, U/C	UNDER COUNTER
U.N.O.	UNLESS NOTED OTHERWISE
V	VOLT
VA	VOLT-AMPERE
VSD	VARIABLE SPEED DRIVE
W	WATT OR WIRE
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
XFMR	TRANSFORMER
XFR	TRANSFER

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REVISIONS

No.	Date	Description

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DRAWING TITLE:

ELECTRICAL LEGENDS

POUGHKEEPSIE NY STORAGE

DIAMOND POINT DEVELOPMENT

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DUTCHESS COUNTY

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