GENERAL NOTES (APPLY TO ALL DRAWINGS):

- A. ALL CONDUITS SHALL BE INSTALLED AS HIGH AS POSSIBLE ABOVE FINISHED CEILINGS AND CONCEALED IN WALLS UNLESS OTHERWISE INDICATED. ALL CONDUITS SHALL RUN PARALLEL AND PERPENDICULAR WITH BUILDING WALLS AND STRUCTURE. CONDUITS CONCEALED IN WALLS SHALL BE INSTALLED VERTICALLY, HORIZONTAL RUNS OF CONDUIT SHALL NOT BE PERMITTED.
- B. CONTRACTOR IS HEREBY CAUTIONED THAT ELECTRIC POWER CHARACTERISTICS (VOLTAGE, PHASE, HORSEPOWER, AMPERAGE, ETC.) OF EQUIPMENT IS BASED ON AVAILABLE INFORMATION AT THE TIME OF PROJECT DESIGN. CONTRACTOR MUST VERIY CHARACTERISTICS FOR EACH PIECE OF NEW EQUIPMENT PRIOR TO ORDERING ELECTRICAL EQUIPMENT. INDICATE VERIFICATION ON SUBMITTALS.
- C. LOCATIONS INDICATED FOR LIGHTING FIXTURES ARE APPROXIMATE. LOCATE FIXTURES AS REQUIRED TO AVOID INTERFERENCE WITH BUILDING STEEL, PIPING, DUCTWORK, CONDUIT, DIFFUSERS, GRILLES, SPEAKERS, SMOKE DETECTORS, ETC. FIELD COORDINATE EXACT LOCATIONS AS NEAR AS POSSIBLE TO THE LOCATION INDICATD.
- EXACT LOCATIONS OF CEILING MOUNTED SMOKE DETECTORS, EXIT SIGNS, ETC. SHALL BE COORDINATED WITH OTHER CEILING MOUNTED EQUIPMENT TO AVOID CONFLICT. LOCATE DEVICES AS NEAR AS POSSIBLE TO THE LOCATION INDICATED. FIRE ALARM SMOKE AND HEAT DETECTORS SHALL BE LOCATED 3'-0" MINIMUM FROM HVAC DIFFUSERS, REGISTERS, GRILLES, ETC. SMOKE DETECTORS AT SMOKE DOORS MUST BE INSTALLED WITHIN 5'-0" OF THE DOORS (REFER TO NFPA 72).
- EXACT LOCATIONS OF ALL DEVICES, RACEWAYS, ETC. SHALL BE FIELD VERIFIED TO AVOID INTERFERENCE WITH CABINETRY, FURNITURE, ETC. COORDINATE FINAL LOCATIONS WITH THE OWNER, ARCHITECT AND ENGINEER BEFORE INSTALLATION.
- CONTRACTOR SHALL REVIEW ALL TRADES' CONTRACT DOCUMENTS TO DETERMINE SPECIFIC MOUNTING LOCATIONS FOR ELECTRICAL EQUIPMENT. COORDINATE EXACT MOUNTING LOCATIONS WITH THE ARCHITECT AND OTHER CONTRACTORS. REFER TO ARCHITECTURAL PLANS FOR CASEWORK LAYOUT, ELEVATIONS, ETC. COORDINATE WITH LOCATIONS OF ELECTRICAL DEVICES AND OUTLETS.
- G. EXACT LOCATION OF MECHANICAL AND PLUMBING EQUIPMENT THAT REQUIRE ELECTRICAL CONNECTIONS ARE SHOWN ON THE MECHANICAL AND PLUMBING DRAWINGS. COORDINATE PRIOR TO COMMENCING ANY WORK.
- H. PROVIDE CONDUIT/WIRING (CIRCUITING) AND REQUIRED CONNECTIONS TO ALL DEVICES/ EQUIPMENT. CONNECT TO CIRCUIT(S) AS INDICATED.
- CIRCUITING TO DEVICES/EQUIPMENT SHALL BE 2 #12 WITH 1 #12 GROUND (MULTIPLE HOMERUNS IN SAME CONDUIT MAY SHARE SAME EQUIPMENT GROUND) FOR EACH 20 AMPERE CIRCUIT UNLESS OTHERWISE NOTED. ALL CIRCUITS SHALL HAVE SEPARATÉ NEUTRALS (CIRCUITS SHALL NOT SHARE NEUTRALS).

DATA		
©© ■C POWER ■C	•	TWO (2) DUPLEX RECEPTACLES AND TWO (2) COMMUNICATION OUTLETS IN 3-GANG OUTLET BOX WITH LOW VOLTAGE DIVIDER. PROVIDE TWO (2) CATEGORY 6A CABLES TO DATA ROOM INDICATED.
	•	TWO (2) DUPLEX RECEPTACLES AND TWO (2) COMMUNICATION OUTLETS IN RECESSED FLOOR BOX WITH LOW VOLTAGE DIVIDER UNLESS OTHERWISE NOTED ON DRAWINGS. PROVIDE TWO (2) CATEGORY 6A CABLES TO DATA ROOM INDICATED.
(♠)(♠)(♠)(♠)	0	ONE (1) DUPLEX RECEPTACLES AND TWO (2) COMMUNICATION OUTLETS IN 2-GANG OUTLET BOX WITH LOW VOLTAGE DIVIDER. PROVIDE TWO (2) CATEGORY 6A CABLES TO DATA ROOM INDICATED.
	⊽	ONE (1) DUPLEX RECEPTACLE AND ONE (1) COMMUNICATION OUTLET OUTLET IN 2-GANG OUTLET BOX WITH LOW VOLTAGE DIVIDER. PROVIDE ONE (1) CATEGORY 6A CABLE TO DATA ROOM INDICATED.
■ C	•	COMMUNICATION OUTLET IN 1-GANG OUTLET BOX. PROVIDE ONE (1) CATEGORY 6A CABLE TO DATA ROOM INDICATED. W - WALL MOUNTED AT 46"
	TV	ONE (1) DUPLEX RECEPTACLE AND ONE (1) COMMUNICATION OUTLET CONNECTOR IN 2-GANG RECESSED OUTLET BOX. PROVIDE ONE (1) PATCH CABLE FOR TV. ROUTE COMMUNICATION CABLE TO LOCAL WIRING CLOSET AS SHOWN ON DRAWINGS. PROVIDE ONE (1) CATEGORY 6A CABLE TO DATA ROOM INDICATED.
■C ■C	WAP	ONE (1) COMMUNICATION OUTLET IN RECESSED 1-GANG OUTLET BOX MOUNTED IN CEILING. COMMUNICATION PORT SHALL BE RECESSED INTO OUTLET BOX TO ALLOW WAP TO BE MOUNTED OVER BOX. WIRELESS ACCESS POINT BY OTHERS. PROVIDE TWO (2) CATEGORY 6A CABLE TO DATA ROOM INDICATED.
	DR	DATA RACK

ALL RECEPTACLES ASSOCIATED WITH DATA OUTLETS SHALL HAVE "DATA OUTLET POWER" LABEL ON FACEPLATE. LABEL TO BE DYMO TAPE.

COORDINATE FINAL MOUNTING HEIGHTS WITH ARCHITECTURAL AND INTERIOR DESIGN DRAWINGS.

POS - POINT OF SALE KP - KITCHEN PRINTER

ATM - AUTOMATIC TELLER MACHINE T/A - TIME/ATTENDANCE MACHINE

CLG.	CEILING
CONTR.	CONTRACTOR
CONT.	CONTACTOR
C.	CONDUIT
DP	DISTRIBUTION PANEL
DN.	DOWN
EA.	EACH
E.C.	ELECTRICAL CONTRACTOR
ELEC.	ELECTRIC
EMERG.	EMERGENCY
EM.	EMERGENCY
EWC	ELECTRIC WATER COOLER
EXIST.	EXISTING
F.A.	FIRE ALARM
F.A.C.P.	FIRE ALARM CONTROL PANEL
F.A.T.C.	FIRE ALARM TERMINAL CABINET
FCU	FAN COIL UNIT
FZ (3)	FIRE ZONE (3)
GRS.	GALVANIZED RIGID STEEL
GND.	GROUND
G.C.	GENERAL CONTRACTOR
GEN.	GENERATOR
G.F.C.I.	GROUND FAULT CIRCUIT INTERRUPTER
H.V.A.C.	HEATING, VENTILATING AND AIR CONDITIONING
HP.	HORSEPOWER
KW.	KILOWATT
LTG.	LIGHTING
M.C.B.	MAIN CIRCUIT BREAKER
M.L.O.	MAIN LUG ONLY
MICRO	MICROWAVE
NL	NIGHT LIGHT
PNL.	PANEL
PH.	PHASE
P.C.	PLUMBING CONTRACTOR
PV	POWER VENTILATOR
P.	POLE
REFRIG.	REFRIGERATOR
SP.	SPACE
SPEC.	SPECIFICATION
SW.	SWITCH
TV	TELEVISION
T.B.B.	TELEPHONE BACKBOARD
T.T.C.	TELEPHONE TERMINAL CABINET
TYP.	TYPICAL
U.L.	UNDERWRITER'S LABORATORY
V.	VOLT
WP	WEATHERPROOF
4 W.	WIRE
3 <u>P.</u> 15 <u>A.</u>	P = POLE A = AMPERE
ОС	MOUNTED OVER COUNTER HEIGHT
UC	MOUNTED UNDER COUNTER HEIGHT
UV	UNIT VENTILATOR
WG	WIRE GUARD
VP	VANDAL PROOF POLYCARBONATE GUARD
EHP	FRACTIONAL HORSEPOWER
EF	EXHAUST FAN
<u> </u>	

ABBREVIATIONS

ABBREV. DESCRIPTION

AMPERE

AUTOMATIC

BASEMENT

BREAKER

ABOVE FINISHED FLOOR

ABOVE FINISHED GRADE

A.F.F.

AUTO.

BSMT.

BKR.

	BASIC MATERIALS AND METHODS	
LP-404	HOME RUN TO PANELBOARD. LETTERS/NUMBERS INDICATE PANEL. NUMBERS INDICATE CIRCUITS. NUMBER OF ARROWS EQUALS NUMBER OF CIRCUITS. CIRCUIT SHALL BE 20 AMP, 120 VOLT, 2 #12, 1 #12 EG., IN "C, UNLESS NOTED OTHERWISE. BRANCH CIRCUIT WIRING SIZE AND NUMBER TO MATCH HOMERUN. REFER TO SPEC'S FOR RACEWAY TYPE.	
	SOLID HALF ARROW(S) INDICATES 120 VOLT CIRCUIT TO SINGLE POLE CIRCUIT BREAKER(S), UNLESS NOTED OTHERWISE.	
	SOLID FULL ARROW(S) INDICATES 208 VOLT CIRCUIT TO MULTI-POLE CIRCUIT BREAKER, UNLESS NOTED OTHERWISE.	
——UE——	UNDERGROUND ELECTRIC	
UC	UNDERGROUND COMMUNICATION	
——UP——	UNDERGROUND PRIMARY FEEDER	
	HEAVY DASHED INDICATES CONDUIT RUN BELOW SLAB	
, (IN	EXISTING ELECTRICAL WIRING, EQUIPMENT OR DEVICE, DASED LIGHT IS EXISTING TO BE REMOVED OR RELOCATED	
— , Ф	EXISTING ELECTRICAL WIRING, EQUIPMENT OR DEVICE, SOLID LIGHT IS EXISTING TO REMAIN	
 , Ф	HEAVY SOLID IS NEW	
3	REFERENCE TO DRAWING NOTE	
$\langle \rangle$	KITCHEN EQUIPMENT DESIGNATION	
J (I)	JUNCTION BOX	
	SPECIAL PURPOSE RECEPTACLE. PROVIDE PROPER VOLTAGE, CLASS, CURRENT RATING AND NEMA CONFIGURATION AS REQUIRED BY BRANCH CIRCUIT AND/OR MATCH CAP ON EQUIPMENT BEING FURNISHED BY OTHERS. PROVIDE CORD AND CAP.	
φ	DUPLEX RECEPTACLE, 20 AMP, 125 VOLT SUBSCRIPTS INDICATE TYPE: CR - CORROSION RESISTANT DT - DUST TIGHT IG - ISOLATED GROUND OC - OVER THE COUNTER SS - MOV SURGE SUPPRESSION UC - UNDER THE COUNTER WP - WEATHER PROOF L - LOCKABLE COVER TR - TAMPER RESISTANT	
P	DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTING TYPE	
P	DUPLEX RECEPTACLE, SPLIT-WIRED	
#	QUAD RECEPTACLE 20 AMP, 125 VOLT	
#	QUAD RECEPTACLE 20 AMP, 125 VOLT, GROUND FAULT CIRCUIT INTERRUPTING TYPE	
S ³ _{a,b,c}	TOGGLE SWITCH, VOLTAGE AS INDICATED ON FIXTURE SCHEDULE, SUBSCRIPTS INDICATE TYPE: 2 - TWO POLE SWITCH 3 - THREE WAY SWITCH 4 - FOUR WAY SWITCH LV - LOW VOLTAGE, MOMENTARY CONTACT K - KEY OPERATED P - PILOT LIGHT WP - WEATHERPROOF EP - EXPLOSION PROOF M - MOMENTARY CONTACT SWITCH OS - OCCUPANCY SENSOR TS - ELECTRONIC TIMER a,b,c - SWITCHING DESIGNATIONS NUMBER OF LETTERS EQUALS NO. OF GANGED SWITCHES IH - ILLUMINATED HANDLE HLP - HEAT LAMP PRESET	
\oint{\oint}	DIMMER	
os	OS CEILING MOUNTED OCCUPANCY SENSOR	
МН	MANHOLE	
НН	HANDHOLE	
HD	HAND DRYER	

PUSHBUTTON

FLUSH FLOOR BOX WITH ONE (1) DUPLEX RECEPTACLE

		FIRE ALARM	
S JITS.	S	SMOKE DETECTOR	
H E.	F	MANUAL PULL STATION	
JIT OTED	F◀	ALARM SIGNAL, SPEAKER AND STROBE	
JIT D	F⋈	ALARM SIGNAL, STROBE	
	Н	RATE-OF-RISE HEAT DETECTOR	
	Н 190°	FIXED TEMPERATURE (190° DEG.) HEAT DETECTOR	
	H 135°	FIXED TEMPERATURE (135° DEG.) HEAT DETECTOR	
	DH	MAGNETIC DOOR HOLDER	
ED .	(SD)	SMOKE DAMPER CONNECTION	
	TS	TAMPER SWITCH CONNECTION	
	FS	FLOW SWITCH CONNECTION	
	PS	PRESSURE SWITCH CONNECTION	
	FSD	FIRE ALARM SHUT DOWN RELAY	
	СМ	ADDRESSABLE CONTROL MODULE	
JIT ISHED	FACP	FIRE ALARM CONTROL PANEL	
	FAAP	FIRE ALARM ANNUNCIATION PANEL	
	СО	CARBON MONOXIDE DETECTOR	

F	POWER DISTRIBUTION AND CONTROL	
Т	TRANSFORMER	
=	208Y/120 VOLT PANELBOARD.	
7/////	DISTRIBUTION PANELBOARD.	
	DISCONNECT SWITCH	
ď	FUSED DISCONNECT SWITCH	
M	MOTOR CONNECTION. REFER TO ELECTRICAL EQUIPMENT AND CONTROL SCHEDULE FOR SIZE	
 	COMPLETE ELECTRICAL CONNECTION TO EQUIPMENT	
	LUMINAIRES	
	LUMINAIRES	
	LUMINAIRES CEILING MOUNTED LUMINAIRE	
□ □ O		
	CEILING MOUNTED LUMINAIRE	
	CEILING MOUNTED LUMINAIRE WALL MOUNTED LUMINAIRE LUMINAIRE PROVIDED WITH EMERGENCY BATTERY	
Q	CEILING MOUNTED LUMINAIRE WALL MOUNTED LUMINAIRE LUMINAIRE PROVIDED WITH EMERGENCY BATTERY PACK	
Q	CEILING MOUNTED LUMINAIRE WALL MOUNTED LUMINAIRE LUMINAIRE PROVIDED WITH EMERGENCY BATTERY PACK LUMINAIRE CONNECT TO NIGHT LIGHT CIRCUIT	
Q - O _{NL}	CEILING MOUNTED LUMINAIRE WALL MOUNTED LUMINAIRE LUMINAIRE PROVIDED WITH EMERGENCY BATTERY PACK LUMINAIRE CONNECT TO NIGHT LIGHT CIRCUIT STRIP LUMINAIRE WALL MOUNTED EMERGENCY LUMINAIRE	

WALL MOUNTED EXIT LUMINAIRE

TRACK LIGHTING

SITE LIGHT SINGLE

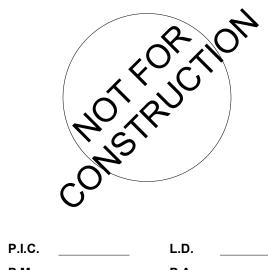
SITE LIGHT DOUBLE

 $\nabla \nabla \nabla$

	ONE LINE DIAGRAM SYMBOLS	
	FUSED DISCONNECT SWITCH	
	THERMAL MAGNETIC MOLDED CASE CIRCUIT BREAKER	
LSI SST	SOILD STATE CIRCUIT BREAKER	
3€	TRANSFORMER	
<u></u>	GROUND CONNECTION	
(A)	FEEDER DESIGNATION. REFER TO FEEDER SCHEDULE	
J	CURRENT TRANSFORMER	
74	POTENTIAL TRANSFORMER	
SPD	TRANSIENT VOLTAGE SURGE SUPPRESSOR	

FIXTURE DESIGNATION

FIXTURE TYPE CIRCUIT NUMBER
SWITCH LEG
F01 4- a -EM EMERGENCY DESIGNATION



RW Monster Golf

Cart Storage

Building

84 CHALET ROAD

KIAMESHA LAKE, NY 12751

JCJARCHITECTURE

120 HUYSHOPE AVENUE

HARTFORD, CT 06106

SUITE 400

860.247.9226

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CONSULTANTS:

ISSUE 11/08/2019 **JOB** H18064.00 PHASE 14 DRAWN DSL SCALE ___1/8" = 1'-0"

ELECTRICAL SYMBOLS AND **GENERAL NOTES**

E-001