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Schiller Park, IL 60176
p: 847.671.7452
f: 847.671.4200
www.rgla.com

REVISIONS	DATE
ISSUE FOR BID, CLIENT, LANDLORD AND PERMIT	10/27/2017
ISSUE FOR PERMIT	11/17/2017

robert g. lyon + associates, inc.
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5100 River Road, Ste 125
Schiller Park, IL 60176
p: 847.671.7452
f: 847.671.4200
www.rgla.com

ELECTRIC LEGEND

SYMBOL	DESCRIPTION
LIGHTING/LIGHTING CONTROLS	
	LUMINAIRE (REFER TO THE LUMINAIRE SCHEDULE) NOTE THAT OTHER SHAPES MAY ALSO BE USED TO REPRESENT LUMINAIRES
	SHADED LUMINAIRES DENOTE THOSE CONNECTED TO EMERGENCY OR STANDBY POWER AS APPLICABLE (UNSWITCHED LUMINAIRES ARE EGRESS LIGHTS AND/OR NIGHT-LIGHTS THAT OPERATE 24/7)
	TRACK LIGHTING IN LENGTH SHOWN AND WITH NUMBER OF LUMINAIRE HEADS AS INDICATED PROVIDE ALL REQUIRED ACCESSORIES (FITTINGS, END CAPS, POWER FEEDS, ETC.)
WALL MOUNT	SINGLE / DOUBLE SIDED EXIT SIGN CONNECT AHEAD OF SWITCHING & CONFIGURE ARROWS TO INDICATE DIRECTION OF EGRESS TRAVEL
A NL a EL	A = LUMINAIRE TYPE (REFER TO THE LUMINAIRE SCHEDULE), NL = NIGHT-LIGHT (UNSWITCHED), a = SWITCHING DESIGNATION, EL = EGRESS LUMINAIRE (UNSWITCHED OR AUTO-ON DURING UTILITY OUTAGE)
$	LIGHTING SWITCH (KEYS: 2 = 2-POLE, 3 = 3-WAY, 4 = 4-WAY, D = DIMMER, K = KEYED, LV = LOW VOLTAGE M = MOMENTARY-CONTACT 1PDT WITH CENTER-REST, P = SWITCH WITH PILOT LIGHT, T = TIMER SWITCH)
OCC TYPE	CEILING-MOUNTED OCCUPANCY SENSOR. DUAL TECHNOLOGY UNLESS OTHERWISE NOTED BY TYPE. TYPE "IR"= INFRARED, TYPE "US"= ULTRASONIC
OCC TYPE#	WALL-MOUNTED OCCUPANCY SENSOR SWITCH. DUAL TECHNOLOGY UNLESS OTHERWISE NOTED BY TYPE. TYPE "IR"=INFRARED, TYPE "US"=ULTRASONIC, "V"=VACANCY SENSOR, "2"=2-CONTROLLED CIRCUITS
LC	LIGHTING CONTACTOR (ELECTRICALLY-OPERATED & ELECTRICALLY-HELD UNLESS OTHERWISE INDICATED)
RECEPTACLES/MISCELLANEOUS OUTLETS	
	SINGLE ("SIMPLEX"), DUPLEX, AND DOUBLE DUPLEX ("QUAD") RECEPTACLE RESPECTIVELY
	GFI / GFCI RECEPTACLES
	CEILING MOUNTED RECEPTACLES
H C 42" W SW	RECEPTACLE ATTRIBUTES 42" = MOUNT RECEPTACLE AT THIS HEIGHT ABOVE GRADE / FINISHED FLOOR C = INSTALL ABOVE COUNTER AND BACKSPLASH H = INSTALL RECEPTACLE HORIZONTAL L = PROVIDE ILLUMINATED FACE OR INDICATOR LIGHT TO INDICATE THERE IS POWER TO RECEPTACLE) SW = SWITCHED W = WEATHERPROOF WHILE IN USE COVER AND WEATHER RESISTANT RECEPTACLE
DOOR OPERATORS/DEVICES	
	DOOR BELL WITH TRANSFORMER & PUSHBUTTONS
	FLUSH PUSHBUTTON FOR DOOR CHIME OR BELL
FIRE ALARM DEVICES	
	FIRE ALARM SYSTEM DUCT SMOKE DETECTOR AND SAMPLING TUBE
cd	FIRE ALARM SYSTEM STROBE-ONLY DEVICE (PROVIDE CANDELA (cd) RATING FOR STROBE AS INDICATED ON DRAWINGS)
cd	FIRE ALARM SYSTEM CEILING / OVERHEAD MOUNTED HORN / STROBE DEVICE (PROVIDE CANDELA (cd) RATING FOR STROBE AS INDICATED ON DRAWINGS)
MISCELLANEOUS	
T TS	LOW VOLTAGE THERMOSTAT (LEFT) AND TEMPERATURE SENSOR (RIGHT)
$ $MS $MSR	MOTOR RATED TOGGLE SWITCH, MANUAL STARTER WITH PILOT LIGHT, AND MANUAL STARTER WITH PILOT LIGHT WITH EXTERNAL RELAY FOR CONTROL OR MONITORING RESPECTIVELY - ALL MAY BE KEYED "K"
	HEAVY DUTY DISCONNECT SWITCH (NON-FUSED) (LEFT) HEAVY DUTY DISCONNECT SWITCH (FUSED) (RIGHT)
	CONTACTOR
FRONT	ELECTRICAL SWITCHBOARD OR SWITCHGEAR (DIMENSIONS MAY VARY)
	ELECTRICAL PANELBOARD OR DISTRIBUTION BOARD (DIMENSIONS MAY VARY / FLUSH OR SURFACE MOUNTED AS INDICATED)

ELECTRIC LEGEND

SYMBOL	DESCRIPTION
SINGLE LINE DIAGRAM	
SWBD	ELECTRICAL PANELBOARD / DISTRIBUTION BOARD
	ELECTRICAL SWITCHBOARD OR SWITCHGEAR
	SURGE PROTECTIVE DEVICE
WIRE / CABLE / RACEWAY	
3	BRANCH CIRCUIT WIRE RUN WITH PANEL NAME AND CIRCUIT NUMBER(S)
	CABLE / RACEWAY INSTALLED CONCEALED IN WALLS OR ABOVE CEILING
	CABLING / RACEWAY INSTALLED BELOW FLOOR OR GRADE
	CABLE TRAY
J	JUNCTION BOX ABOVE ACCESSIBLE CEILING JUNCTION BOX AT OVERHEAD STRUCTURE IN AREAS WITH NO CEILING
J	FLUSH MOUNTED JUNCTION BOX OR PULL BOX AS APPLICABLE FOR APPLICATION
P	FLUSH MOUNTED PULL BOX
UP DN	CONDUIT UP OR DOWN

ABBREVIATIONS

(R)	RELOCATE FIXTURE, EQUIPMENT OR DEVICE
42"	DISTANCE ABOVE FINISHED FLOOR / GRADE / PAVEMENT
AF	AMP FRAME OF FUSED SWITCH OR CIRCUIT BREAKER
AFCI	ARC-FAULT CIRCUIT INTERRUPTER
AIC	SHORT CIRCUIT AMPS INTRRUPTING RATING
AT	AMP TRIP OF FUSED SWITCH OR CIRCUIT BREAKER
ATS	AUTOMATIC TRANSFER SWITCH
BAS	BUILDING AUTOMATION SYSTEM
C.T.C.	WORK UNDER DIVISION 27 OR 28 AS APPLICABLE
C/B	CIRCUIT BREAKER
CH	COUNTER HEIGHT OR SPECIAL HEIGHT DEVICE
DW	DISHWASHER
E	EMERGENCY
E.C.	WORK UNDER DIVISION 26
EMS	ENERGY MANAGEMENT SYSTEM
EPO	EMERGENCY POWER OFF
ER	EQUIPMENT ROOM
ERM	ENERGY REDUCTION MAINTENANCE SWITCH
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX.	EXISTING
FBO	FURNISHED BY OTHERS - INSTALLED AND WIRED BY E.C.
FIBO	FURNISHED AND INSTALLED BY OTHERS - WIRED BY E.C.
FP	RECEPTACLE TO BE USED FOR A FLAT PANEL DISPLAY.
FWE	FURNISHED WITH EQUIPMENT BY OTHERS - INSTALLED AND WIRED BY E.C.
GD	GARBAGE DISPOSAL
GFEP	GROUND FAULT EQUIPMENT PROTECTION
GFI / GFCI	GROUND FAULT CIRCUIT INTERRUPTER DEVICE
GND	GROUND
H.C.	WORK UNDER DIVISION 23
H.O.A.	"HAND - OFF - AUTO" SWITCH
IG	ISOLATED GROUND
LR	LEGALLY REQUIRED STANDBY
LSI	LONG - SHORT - INSTANTANEOUS
LSIG	LONG - SHORT - INSTANTANEOUS - GROUND FAULT
MCB	MAIN CIRCUIT BREAKER
MFR	MANUFACTURER
MLO	MAIN LUGS ONLY
MTS	MANUAL TRANSFER SWITCH
MW	MICROWAVE OVEN
NIC	NOT IN CONTRACT (SHOWN FOR REFERENCE ONLY)
NTS	NOT TO SCALE
OFE	OWNER-FURNISHED EQUIPMENT - INSTALLED AND WIRED BY E.C.
OS	OPTIONAL STANDBY
P.C.	WORK UNDER DIVISION 22
S.C.	WORK UNDER DIVISION 21
SPD	SURGE PROTECTIVE DEVICE
ST	SHUNT TRIP
TAAC	TO ABOVE ACCESSIBLE CEILING
TR	TAMPER RESISTANT
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UCR	UNDER COUNTER REFRIGERATOR
UL	UNDERWRITERS' LABORATORY
U.L.S.E.	LISTED FOR SERVICE ENTRANCE
UNO	UNLESS NOTED OR INDICATED OTHERWISE ON DRAWINGS OR IN SPECIFICATIONS
VFD / VSD	VARIABLE FREQUENCY / SPEED DRIVE
VIF	VERIFY IN FIELD
VM	VENDING MACHINE
VP	VANDAL PROOF
WG	WIRE GUARD
WR	WEATHER RESISTANT

PLAN-VIEW AND GRAPHIC LINE TYPES

WORK SHOWN BOLD-CONTINUOUS INDICATES NEW WORK (UNLESS OTHERWISE INDICATED)
WORK SHOWN FADED INDICATES EXISTING WORK TO REMAIN OR NEW WORK BY OTHERS AS APPLICABLE (UNLESS OTHERWISE INDICATED)
WORK SHOWN BOLD-DASHED INDICATES SELECTIVE DEMOLITION WORK (UNLESS OTHERWISE INDICATED)

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THE NORTH FACE

AVENTURA MALL
19501 BISCAYNE BLVD
SPACE #327
AVENTURA, FL 33180

ELECTRIC - LEGEND

DRAWN BY	LAH
CHECKED BY	LGF
JOB NUMBER	19811
SHEET NAME	E0.1

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