	DECODIDITION					
SYMBOL	DESCRIPTION					
	PANELBOARD MOUNTED 6'-6" TO TOP, SEE PANEL SCHEDULES AND ELECTRICAL ONE-LINE DIAGRAM,					
F	SAFETY SWITCH - TYPE AND RATING AS SHOWN ON PLANS, F INDICATES FUSED SWIT					
	MANUAL MOTOR STARTER WITH THERMAL OVERLOADS AND LOCKING HASP					
\$	20A - 120V/277V SINGLE POLE TOGGLE SWITCH MOUNTED 48' A.F.F., UNLESS NOTED OTHERWISE, ALL SWITCHES USED AS MOTOR DISCONNECTING MEANS SHALL BE HP RATED					
MS	OCCUPANCY SENSOR, SENSOR SWITCH MODEL # CMR-9 OR A/E APPROVED ALTERNATE MOUNTED 48' A.F.F., UNLESS NOTED OTHERWISE, 20A - 125V GROUNDING TYPE DUPLEX RECEPTACLE MOUNTED 18" A.F.F., UNLESS NOTED OTHERWISE 20A - 125V GROUNDING TYPE QUADRAPLEX RECEPTACLE MOUNTED 18" A.F.F., UNLESS NOTED OTHERWISE					
Φ						
<b>\</b>						
<b></b>	20A - 125V ISE GROUND TYPE QUADRAPLEX RECEPTACLE MOUNTED 18 A.F.F., UNLESS NOTED OTHERWISE					
Φ	20A - 125V ISULATED GROUND TYPE DUPLEX RECEPTACLE MOUNTED 18' A.F.F., UNLESS NOTED OTHERWISE					
0	JUNCTION BOX - SIZE AS REQUIRED BY N.E.C. JUNCTION BOX - FOR FURNITURE POWER CONNECTION					
Ф <sub>р</sub>	JUNCTION BUX - FOR FURNITURE TEL/DATA CONNECTION					
© <sub>tD</sub> ▼	TELEPHONE OUTLET MOUNTED 18" A.F.F. UNLESS NOTED OTHERWISE, PROVIDE 3/4"C. WITH PULLWIRE TO ACCESSIBLE CEILING SPACE, PROVIDE CONDUIT BUSHING.					
V	COMBINATION TELEPHENE/DATA OUTLET MOUNTED 18 AFF, UNLESS NOTED OTHERWISE, 3/4°C W/PULLWIRE TE ACCESABLE CEILING SPACE,					
œ	MUD RTEG - EXACT SIZE AND LOCATION TO BE VER FED WITH SECURITY PLAN,					
Ť	LOW-VOLTAGE, TRANSFORMER. SEE LIGHT FIXTURE SCHEDULE FOR SPECIFICATIONS,					
P	NUN-METALLIC JUNCTION BOX (JB+K), NEVA 4X SHALL BE MOUNTED UNDERNEATH EVE ON EXTERIOR OF BUILDING, EC SHALL RUN POWER FROM ICE MELT POWER DISTRIBUTION PANEL TO JUNCTION BOX AND CONNECT WIRING TO SELF-REGULATING HEATING CABLE USING ICE MELT MANUFACTUERS' CIRCUIT FABRICATION KIT (RGS-CFK).					
2	GUTTER SNOW AND ICE SENSOR (STC-DS-8). SENSOR SHALL BE LOCATED ON THE NORTH SIDE OF THE BUILDING UNDERNEATH THE EVE, EC SHALL RUN 120V AND CONTROL WIRING FROM ICE MELT POWER DISTRIBUTION PANEL PER MANUFACTURERS REQUIRMENTS,					
$\Box o$	LIBHT FIKTURE, SEE LIBHTING FIKTURE SCHEDULE FÜR DESCRIPTION					
• 1	EMERGENCY/NIGHT LIGHT FIXTURE WITH INTEGRAL EMERGENCY BALLAST,					
$\bigotimes$	EXIT SIGN					
	EMERGENCY LIGHTING UNIT					
F	FIRE ALARM MANUAL PULL STATION					
FIRE ALARM AUDIBLE/VISIBLE       NOTIFICATION APPLIANCE (GENERAL EVACUATION1						
F(110) C	FIRE ALARM VISIBLE UNLY NOTIFICATION APPLIANCE 					
P <sub>A</sub>	PHOTOELECTRIC SMOKE DETECTOR, CEILING MOUNTED INDICATES AUXILIARY CONTACT,					

ŧ

## GENERAL NOTES

- FINAL CONNECTIONS TO ALL LAY-IN FIXTURES AND RECESSED INCANDESCENT FIXTURES IN LAY-IN CEILINGS ARE TO BE MADE WITH GREENFIELD FLEXIBLE CONDUIT,
- 2, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHT FIXTURE LAY-OUT, CONTRACTORS TO CORRELATE LOCATIONS OF LIGHTING, SPEAKERS, AIR DIFFUSERS, GRILLES, AND THE LIKE, WITH REFLECTED CEILING LAY-OUTS AS REQUIRED AND DIRECTED BY THE ARCHITECT,
- 3, REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND/OR ROOM FINISH SCHEDULE TO VERIFY PROPER TYPE OF LIGHT FIXTURE REQUIRED FOR THE CEILING CONSTRUCTION PRIOR TO ORDERING THE FIXTURES AND PROVIDE FIXTURES THAT ARE COMPATIBLE WITH THE CEILING SYSTEM,
- ALL DEVICES, EQUIPMENT, FIXTURES, AND THE LIKE, MUST BE GROUNDED BY USE OF A PROPERLY SIZED GROUNDING CONDUCTOR, MECHANICAL/ ELECTRICAL BONDS OF THE METALIC RACEWAY SYSTEM SHALL ALSO BE MAINTAINED,
- 5, REFER TO MECHANICAL PLANS FOR EXACT LOCATION OF MECHANICAL EQUIPMENT AND LOCATE DISCUNNECT SWITCHES IN ACCORDANCE WITH THE N.E.C.
- 6. REFER TO DIV. 15 SPECIFICATIONS, HVAC PLANS AND PLUMBING PLANS FOR ADDITIONAL ELECTRICAL WORK AND REQUIREMENTS,
  7, ALL RECEPTACLES SHOWN BACK-TO-BACK N WALLS SHALL BE SEPARATED, BY 8 MINIMUM,
- WIRING IN PLENUMS SHALL BE PLENUM RATED OR INSTALLED IN CONDUIT.
   BRANCH CIRCUIT WIRE SIZES (AND CONDUITS) SHALL BE INCREASED FROM THOSE INDICATED ON THE PLANS TO PREVENT EXCESSIVE VOLTAGE DROP, BRANCH CIRCUITS SHALL BE INSTALLED WITH WIRES OF SUFFICIENT SIZE SO THAT VOLTAGE DROP BETWEEN THE PANEL AND THE LUADS DOES NOT EXCEED A LIMIT A OF 3%.
- IO, ALL WIRING 'SHALL BE 2 #12 AWG & #12 GND UNLESS OTHERWISE NOTED. WIRING SHALL BE 600 V COPPER WITH THHN/THWN INSULATION.
- 11. CIRCUITS MAY BE MULTI-PLEXED IN CONDUIT PROVIDED WIRE IS PROPERLY DERATED AND CONDUIT SIZED PER CODE. UNDER NO CIRCUMSTANCES SHALL MORE THAN (9) CURRENT CARRYING CONDUCTORS BE RUN IN A SINGLE CONDUIT,
- 12. ALL CONDUITS SHALL CONTAIN A GROUND WIRE SIZED PER NEC, IN ADDITION, WHERE AN ISOLATED, INSULATED GROUND IS REQUIRED A SEPARATE GREEN W/YELLOW STRIPE GROUND SHALL BE RUN FROM THE PANEL GROUND BUS TO THE ISOLATED GROUND CONNECTION OF THE DEVICE. IN NO CASE SHALL THE SYSTEM GROUND (WIRE AND ASSOCIATED OUTLET BOXES, CONDUIT AND BUILDING STEEL) BE ALLOWED TO CONTACT THE ISOLATED GROUND (GREEN W/ YELLOW STRIPE WIRE AND DEVICE), WHERE CIRCUIT CONDUCTORS ARE INCREASED IN SIZE FOR VOLTAGE DROP, THE GROUND WIRE SIZE SHALL BE INCREASED PROPERTIONATELY (ACCORDING TO CIRCULAR MIL AREA) FROM THE SIZE REQUIRED BY N.E.C.
- 13. PANELBOARD TO BE PROVIDED WITH, COPPER BUS, CUPPER GRUUND BUS, CUPPER ISOLATED GROUND BUS AND FULLY RATED BOLT ON CIRCUIT BREAKERS, ENCLOSURE SHALL BE NEWA 1 WITH HINGED DOOR CONSTRUCTION AND SUPPLIED WITH METAL DIRECTORY FRAME WITH PLASTIC COVER,
- 14. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-70, NATIONAL ELECTRIC CODE, NFPA-72, NATIONAL FIRE ALARM CODE, ABA REQUIREMENTS AND NFPA 101, LIFE SAFETY CODE,
- 15. MOUNT LIGHT SWITCHES AND PULL STATIONS AT 48" AFF TO CENTER OF DEVICE AND FIRE ALARM NOTIFICATION DEVICES 80' AFF OR & BELOW CEILING, WHICHEVER IS LOWER.
  16. PROVIDE SMOOTH TYPE NYLON COVERS FOR ALL DEVICES, COURDINATE COLOR WITH ARCHITECT PRIOR TO INSTALLATION,
- 17. ALL BOXES AND CONDUIT BODIES CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL HAVE COVERS PAINTED RED. FIRE ALARM, WIRING TO BE RUN IN EMIT WHEN EXPOSED OR BE UL FIRE ALARM MC CABLE IN WALL CAVATIES AND ABOVE CEILINGS.
- CONVEINANCE RECEPTACLES SHALL BE COMMERCIAL, SPECIFICATION GRADE GROUNDING TYPE NEMA 5-20R, SIDE WIRED, LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL,
   LIGHTING TOGGLE SWITCHES SHALL BE COMMERCIAL, SPECIFICATION GRADE, 120V, SIDE WIRED WITH GROUNDING SCREW, LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL,
- 20, ALL WIRING SHALL BE INSTALLED IN EMT WHEN EXPLISED. WIRING ABOVE CEILINGS AND IN WALL CAVATIES SHALL BE TYPE MC CABLE.
- ALL PENETRATIONS THROUGH RATED WALLS, FLOORS AND PARTITIONS SHALL BE SEALED WITH A UL LISTED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF THE SEPARATION,
   PRIOR TO ORDERING LIGHTS, RECEPTACLES, SWITCHES, MOTOR STARTERS, SAFETY SWITCHES AND PANELBOARDS CONTRACTOR SHALL SUBMIT FOUR COPIES OF SHOP DRAWINGS TO ARCHITECT AND ENGINEER FOR APPROVAL,

## ELECTRICAL ABBREVIATIONS AMPS ABOVE FINISH FLOOR AFF ABOVE FINISH GRADE AFG BREAKER CONDUIT BKR COPPER cu ELECTRICAL CONTRACTOR EC ELEC ELECTRICAL EM EMT EMERGENCY ELECTRICAL METALLIC TUBING EWC ELECTRIC WATER COOLER FUSE FLUOR FLUORESCENT GENERAL CONTRACTOR GC GFI GROUND FAULT INTERRUPTING PROTECTION GND GROUND hid Hp HIGH INTENSITY DISHARGE HORSEPOWER J-BOX KVA JUNCTION BOX KILOVOLT AMPERE KW MC KILOWATT MECHANICAL CONTRACTOR MECHANICAL MEGH MOUNTED NIC NOT IN CONTRACT NIGHTLIGHT Nts NOT TO SCALE POLE р PVC POLYVINYL CHLORIDE PNL PANEL Ø OR PH PHASE RGS RIGID GALVANIZED STEEL TELEVISION ΤV TYP TYPICAL UNLESS OTHERWISE NOTED UON VOLTS W WATT WEATHERPROOF TYPE DEVICE (NEWA 3R RATED) ¥P XFMR TRANSFORMER

		<b>_</b>		r		1
TYPE	WATTS	NO.	LAMPS TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION
A	62	2	FB031T8/SP35	DAYBRITE	2P3GS231U6-44SL- 120-1/2EB-10I	FLUORESCENT 2'X2' LAY-IN FIXTURE WITH 4x4-CELL 3' PARABOLIC LOUVER, STEEL HOUSING WITH BAKED WHITE ENAMEL FINISH, AND ELECTRONIC (<10% THD) BALLAST, (120V), NOTE 1.
В	124	4	F32T8/SP35	LEDALITE	VENZA SERIES 9205 T <b>02</b> L N 08 7 1 E W	FLUORESCENT SUSPENDED SEMI INDIRECT LINEAR FIXTURE WITH COLD ROLLED STEEL HOUSING, SELF ALIGNING JOINING SYSTEM, AIRCRAFT CABLE MOUNTS, ELECTRONIC (<10% THD) BALLAST, AND WHITE FINISH, (120V) MEUNT AT 8'-0' AFF TO BOTTOM OF FIXT.
С	62	2	F32T8/SP35	DAYBRITE	SWN232-120-1/2EB-101	4' FLUORESCENT SPEC, GRADE WRAPAROUND FIXTURE WITH PATTERN 12 ACRYLIC LENS, STEEL HOUSING WITH BAKED WHITE ENAMEL FINISH, AND ELECTRONIC (<10% THD) BALLAST, (120V)
D	33	1	32 TTT	Capri Lighting	FAE1132 S1 T042	COMPACT FLUERESCENT 6" RELUND RECESSED DOWNLIGHT WITH SPECULAR ALZAK REFLECTOR, TRIM RING, AND ELECTRONIC (<10% THD) BALLAST. (120V). NEITE 1
E	14	1	13W G24Q-1, 4 PIN	LBL LIGHTING	PF-5490-DP-PC-HE	COMPACT FLUORESCENT PENDENT FIXTURE WITH WHITE DECORATIVE GLASS SHADE, COAXIAL CORD SET WITH CONNECTOR, AND CHROME FINISH (120V)
F	55	1	50W MR16	TECH LIGHTING	Mono-Rail-Track Mi-T156-MR16-6	2' SQAURE, CHROME FINISH LOW VOLTAGE TRACK LIGHT, STRATGHT TRACK, 24V- 600W TRANSFORMER (MIN), PROVIDE 12' STANDOFF SUPPORTS AT 3'-0" IIC, AND ALL REQUIRED HARDWARE, REFER TO DWGS FOR QUANTITY OF TRACK HEADS,
G	62	2	F32T8/SP35	DAY-BRITE	SWB232A-120 1/2EB	FLUORESCENT WALL BRACKET FIXTURE 4-0' IN LENGTH WITH SEMITRANSLUCENT PRISMATIC ACRYLIC LENS, AND ELECTRONIC (<10% THD) BALLAST, (120V)
J	62	2	FBII31T8/SP35	DAYBRITE	2DG231U6-FS01-120- 1/2EB-10I	FLUORESCENT 2'X2' LAY-IN FIXTURE WITH PRISMATIC ACRYLIC LENS, STEEL HOUSING WITH BAKED WHITE ENAMEL FINISH, AND ELECTRONIC ((10% THD) BALLAST, (120V). NOTE 1,
К	62	2	F32T8/SP35	DAYBRITE	2DG232-FS01-120- 1/2EB-10I	FLUORESCENT 2'X4' LAY-IN FIXTURE WITH PRISMATIC AGRYLIC LENS, STEEL HOUSING WITH BAKED WHITE ENAMEL FINISH, AND ELECTRONIC (<10% THD) BALLAST, (120V). NITE 1,
	5		LED	MCPHILBEN LIGHTING	ER45VL-*-**-RW-***	LED EDGE LIT EXIT SIGN WITH INTEGRAL MAINTENANCE FREE NICKEL CADMIUM BATTERY, SATIN ALUMINUM HOUSING, %-VERIFY MTG TYPE WITH PLANS **-SINGLE OR DILUBLE FACE AS INDICATED ON PLANS ***-VERIFY NUMBER AND DIRECTION OF CHEVRONS WITH PLANS (NOTE 2)
,₽,	11	2	5.4V T-5 Incandescent	PRESCOLITE	EMAX	EMERGENCY LIGHTING UNIT W/ MAINTENANCE FREE BATTERY,
LE5	210	1	175 MH ED-17 CDATED 3200°K	KIRLIN LIGHTING	RR51222-45-LP-FR	METAL HALIDE RECESS MOUNTED 12" ROUND DOWN LIGHT, UL LISTED FOR WET LOCATION, -20 DEGREE F ELECTRONIC BALLAST, FRESNEL LENS,
RA	9	1	6V-9W T-5	EMERGILITE	EF-11-ZD	WALL-MOUNTED REMOTE EMERGENCY LIGHT FIXTURE WITH WET LOCATION LABEL,

LIGHTING NOTES

1, SUBSTITUTIONS WILL BE ACCEPTED FOR REVIEW ONLY IF SPECIFIED FIXTURE HAS A LEAD TIME THAT WILL DISRUPT THE OPENING DATE,

2, ELECTRICAL CONTRACTOR SHALL SUPPLY A SPARE CASE OF EACH LAMP USED ON THE PROJECT,

VOCON / DESIGN INC. 2450 Prospect Avenue Cleveland, Ohio 44115 216 623-6800 p. 216 623-0410 f. voconwocon.com X.W. Architects, Inc 2450 Prospect Ave. 1st fir. 216-623-6800 Cleveland, Ohio 44115 216-623-0410fax  $\mathbf{C}$ IITECTURE ENGINEERING PLANNIN SMRT 144 Fore Street/P.O. Box 618 Portland, Maine 04104 tel. (207) 772-3846 fax. (207) 772-1070 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly registered Architect under the laws of the State of which governors this project. WARNING: per LAW No person may alter these documents unless person is, 'or under the direct supervision of the licensed architect. nature: istration No SEAL: Type III Branch **Proposed New Construction** 85 Commercial Street-Long Warf Portland, ME 5 ັບ 0 202 **REVISIONS**: Drawn by LAM Odde Okender: 03095-00 Dwg. Construction Phase: Documents Sheet Title: Legend, General Notes 🕇 Light Fixture Schedule Sheet Number: E-0.0 Original Date: 9-5-03