LIGHTING FIXTURE SCHEDULE			
TYPE	DESCRIPTION	LAMPS QUANTITY & TYPE	REMARKS
Α	PRESCOLITE •IBX26ICAT, TO6 TRIM	(1) 26W CFL	6" RECESSED CEILING CAN, KITCHEN AND LIVING
В	PRESCOLITE •IBX26ICAT, TL64 TRIM	(1) 26W CFL	6 (WET)" RECESSED CEILING CAN, EXTERIOR CANOPY
С	THOMAS LIGHTING •M2742-78	(2) 60W	15" DIA CEILING MOUNTED, BEDROOM
D	PRESCOLITE •IBX26ICAT, TL64 TRIM	(1) 26W CFL	6" RECESSED CEILING CAN, BATHROOMS (WET)
Ε	THOMAS LIGHTING •M2741-78	(2) 40W	10-1/4" DIA CEILING MOUNTED, HALLWAYS
F	THOMAS LIGHTING •M340878, S7083 SHADE	(1) 60W	4-1/2" DIA x 56"L PENDANT, KITCHEN
G	THOMAS LIGHTING •M341178, S7088 SHADE	(3) 75W	24" DIA x 59"L PENDANT, DINING
Н	KICHLER LIGHTING 'FREEPORT' •10687PN	(2) 13W CF	WALL MOUNTED ABOVE VANITY, BATHROOMS
J	PROGRESS LIGHTING •P7129-30EB	(2) F17 T8	24" SLIM LINE WRAP - CLOSETS
K	PROGRESS LIGHTING •P7131-30EB	(2) F17 T8	36" SLIM LINE WRAP - CLOSETS
L	PROGRESS LIGHTING •P7133-30EB	(2) F17 T8	48" SLIM LINE WRAP - CLOSETS
М	COLUMBIA •LUN4-232-EU	(2) T8	48" SLIM LINE WRAP - EXTERIOR CLOSETS (WET)
N	COLUMBIA •UC18-115-LU-WSW	(1) T12	18" UNDER CABINET, W/ ROCKER SWITCH
-			
-			
-			

All Lighting fixtures shall be energy star rated or have High performance T8 ballast and lamps to meet Efficiency Maine criteria. All flourescent lamps 3000° K

TIME CLOCK TORK •DGLC — 4 POLE LIGHTING CONTACTOR - "LCA" PHOTCELL TORK •2000 (4)120V, 20A CONTACTS TORK •5441 HP-1,2,3— - SITE POLE LIGHTS — BLDGS A & B WALL LIGHTS - BLDGS C & D WALL LIGHTS --- SPARE

LIGHTING CONTACTOR "LCA" DETAIL

SCALE: NONE LOCATED IN A BUILDING 'C' STORAGE ROOM

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GENERAL NOTES

as applicable.

1. NOT ALL SYMBOLS INDICATED IN THE LEGEND APPEAR ON THE DRAWINGS. COORDINATE WORK ACCORDINGLY. COMPLY WITH SPECIFICATIONS AND NOTES BELOW

2. ALL RECEPTACLES SHALL BE INSTALLED 18" AFF TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.

3. PROVIDE PANELBOARDS AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, SIEMENS, CUTLER HAMMER OR APPROVED EQUAL.

4. ALL WIRING SHALL BE COPPER UNLESS DESIGNATED AS "AL". UNLESS OTHERWISE NOTED ALL WIRING SHALL BE 2#12 AWG. AND 1#12 EQUIPMENT GROUNDING CONDUCTOR. HOMERUNS FED FROM A 20A-1P, 120V CIRCUIT IN EXCESS OF 70' SHALL BE #10 AWG.

CIRCUIT OR AS INDICATED.

6. TEST ALL EMERGENCY LIGHTING UNITS FOR PROPER OPERATION OF LAMPS AND

7. SEE MECHANICAL PLAN FOR HVAC UNITS, PUMPS AND FANS CONTROLLED BY THERMOSTATS (PROVIDED BY ATC CONTRACTOR).

10. ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN FIRE RATING FOR

11. ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.

12. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH ALL FEEDER AND BRANCH CIRCUITS. SIZE IN ACCORDANCE WITH NFPA 70 ARTICLE 250.

14. COORDINATE INSTALLATION OF VOICE/DATA OUTLETS WITH OWNER, MIS OR COMMUNICATIONS CONTRACTOR.

16. OPERATE ALL FLUORESCENT AND METAL HALIDE LAMPS FROM INITIAL INSTALLATION FOR 100 HOURS AT FULL OUTPUT (NO DIMMING) TO SEASON LAMPS AND STABILIZE LAMP COLOR.

17. STATE OF MAINE PROJECTS: IN CEILING CAVITIES WHERE CABLE TRAY OR BUNDLES OF UNPROTECTED CABLE EXCEED 12/BUNDLE, THE CEILING CAVITY SHALL HAVE FIRE PROTECTION(SPRINKLER HEADS). IF SPRINKLER PROTECTION ABOVE CEILINGS IS NOT IN THE PROJECT SCOPE-CABLE BUNDLES SHALL NOT EXCEED 12 AND SHALL BE SPACED A MINIMUM OF 2" APART IN ALL DIRECTIONS WITH HANGERS EVERY 4'. LOCAL SPRINKLER PROTECTION AT TELCOM ROOMS SHALL BE PROVIDED WHERE CABLE QUANTITIES EXCEED THIS RESTRICTION. THE USE OF PLENUM OR RISER CABLE NEGATES THESE REQUIREMENTS.

18. THE CONTRACTOR SHALL SET ALL ELECTRONIC BREAKERS TO SPECIFIED TRIP SETTINGS BEFORE ENERGIZING EQUIPMENT.

21. ALL CONDUCTOR INSULATION FOR BUILDING WIRE SHALL BE THWN UNLESS NOTED

ABBREVIATIONS

ABOVE FINISHED FLOOR

ABOVE FINISHED GRADE

ALTERNATING CURRENT, ABOVE COUNTER AMERICANS WITH DISABILITIES ACT AMP FRAME ARC FAULT CIRCUIT INTERRUPTER

AMPERES INTERRUPTING CAPACITY ALUMINUM ATC AUTOMATIC TEMPERATURE CONTROL ATS AUTOMATIC TRANSFER SWITCH AMERICAN WIRE GAUGE

BUILDING

CONDUIT

CIRCUIT

CAST IRON

CENTERLINE

CARBON STEEL

EXHAUST FAN

EXISTING RELOCATE

ELECTRIC UNIT HEATER

ELECTRICAL WATER COOLER

FIRE ALARM CONTROL PANEL

FIRE ALARM PULL STATION

FIBER REINFORCED PLASTIC

FULL VOLTAGE, NON-REVERSING

GROUND FAULT INTERRUPTER

HIGH INTENSITY DISCHARGE

HIGH PRESSURE SODIUM

THOUSAND CIRCULAR MIL

THOUSAND VOLT-AMPS

LIGHTING CONTACTORS

LATERAL CONTROL PIT

LIGHT EMITTING DIODE

LIGHTING PANELBOARD

MOTOR CONTROL CENTER

MAIN CIRCUIT BREAKER

MAIN LUGS ONLY

NORMALLY OPEN

PUBLIC ADDRESS

POTENTIAL TRANSFORMER

POLYVINYL CHLORIDE

RIGID STEEL CONDUIT ROOF TOP UNIT

SINGLE LINE DIAGRAM SOLID STATE

SWITCHBOARD NUMBER AS DESIGNATED

SUPPLY FAN

TIME CLOCK

TYPICAL

VOLT

WATT

WITH

TRANSFER SWITCH

UNDERGROUND

VOLT-AMPERE

WEATHERPROOF TRANSFORMER

EXPLOSION PROOF THREE PHASE

FOUR WIRE THREE WIRE

2

VARIABLE FREQUENCY DRIVE

PUSH BUTTON POWER FACTOR

OVERLOAD

POLE

PHASE

Panel

MAIN DISTRUBITION PANEL

MANUAL TRANSFER SWITCH

NATIONAL ELECTRICAL CODE

NORMALLY CLOSED OF NURSE CALL

NATIONAL FIRE PROTECTION ASSOCIATION

MOLDED CASE CIRCUIT BREAKER

THOUSAND WATTS (KILOWATT)

HAND-OFF-AUTOMATIC

REDUCED VOLTAGE, NON-REVESING

INSULATED CASE CIRCUIT BREAKER

THOUSAND AMP INTERRUPTING CAPACITY

LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND FAULT

TELE-POWER POLE - POLE AND CIRCUIT NUMBER AS INDICATED

PUBLIC SERVICE OF NEW HAMPSHIRE (ELECTRIC UTILITY)

CIRCUIT BREAKER TRIP FUNCTIONS AS INDICATED

EXISTING REMOVE

DIRECT CURRENT

GROUND

HORSEPOWER

JUNCTION BOX

THOUSAND VOLTS

COPPER

CIRCUIT BREAKER

CONCRETE MASONRY UNIT

CURRENT TRANSFORMER

CABINET UNIT HEATER ELECTRICAL CONTRACTOR

EXISTING REMAINS IN PLACE

CENTRAL MAINE POWER (ELECTRIC UTILITY)

BLDG

CMU

ERL

FACP

GND

ICB

MTS

5. CONNECT BATTERY BACKED EMERGENCY AND EXIT LIGHTING TO NEAREST LIGHTING CIRCUIT AHEAD OF ANY SWITCHING. CONNECT REMOTE HEADS WITH #10 AWG. COPPER CONDUCTORS. AC EXIT FIXTURES SHALL BE CONNECTED TO NEAREST EMERGENCY

8. FUSES AND OVERLOAD UNITS FOR MOTORS SHALL BE SIZED BASED ON ACTUAL MOTOR NAMEPLATE DATA AND IN ACCORDANCE WITH NEC. CIRCUIT BREAKERS FOR MOTORS ARE SUPPLIED AT MAX VALUE PER NEC (2.5 x FLA.). SIZE IN THE FIELD IN ACCORDANCE WITH MFGR. RECOMMENDATION.

9. ALL WORK SHALL COMPLY WITH NFPA70, NFPA72, NFPA101 & ALL FEDERAL, STATE & LOCAL REGULATIONS.

13. PROVIDE TWO BALLASTS FOR EACH FIXTURE INDICATED AS REQUIRING DUAL LEVEL SWITCHING. ONE BALLAST TO CONTROL OUTER LAMPS AND THE SECOND BALLAST TO CONTROL INNER LAMP(S).

15. LOCATE DISCONNECTS AT EQUIPMENT AS REQUIRED BY MANUFACTURER. LOCATIONS ON DRAWINGS ARE APPROXIMATE.

19.PROVIDE EXPANSION FITTINGS FOR ALL UNDERGROUND RACEWAYS ENTERING ENCLOSURES ATTACHED TO FIXED STRUCTURES.

20. OUTDOOR RECEPTACLE COVERS SHALL COMPLY WITH NFPA 70 - ARTICLE 406.9.

SYMBOL LEGEND

POWER PANEL,120/208V,3PHS,4WIRE

рю

LOAD CENTER,120/208V,1PHS,3WIRE UNIT NUMBER — ELECTRIC MOTOR DRIVEN EQUIPMENT, HP SHOWN

SM MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD DEVICE, MOUNTED AT UNIT

JUNCTION BOX - "H" DENOTES RANGE HOOD, "DS" DENOTES DISPOSAL, "DW" DENOTES DISHWASHER

LIGHTING FIXTURES- CAPITAL LETTERS DENOTE TYPE AS

PER LIGHTING FIXTURE SCHEDULE LOWER CASE LETTERS INDICATE SWITCH CONTROL. DIAGONAL LINE INDICATES NIGHT LIGHT - UNSWITCHED DISCONNECT SWITCH -250 VOLT- SIZE AND NUMBER OF POLES AS INDICATED ON

DRAWING PROVIDED AND INSTALLED BY E.C. - UNLESS OTHERWISE NOTED. PROVIDE FUSES WHERE RECOMMENDED BY MANUFACTURER. COMBINATION MOTOR STARTER/ DISCONNECT SWITCH - WITH AUXILARY CONTACTS AND HAND-OFF-AUTO SWITCH AND RED RUN LIGHT PROVIDED AND INSTALLED BY E.C. - UNLESS OTHERWISE NOTED.

> VARIABLE FREQUENCY DRIVE - PROVIDED BY M.C., INSTALLED AND WIRED BY E.C. RACEWAY & WIRING OR MC CABLE RUN CONCEALED IN WALLS/CEILINGS. 2.12, 1.12G, 1/2"C UNLESS OTHERWISE NOTED. ASTERISK INDICATES .10 AWG FOR ALL RACEWAY & WIRING RUN EXPOSED HOME RUN TO PANEL - ARROWS INDICATE WITH NFPA 70, ATRICLE 250. QUANTITY OF CIRCUITS- NUMERALS DENOTE CIRCUIT NUMBERS

SINGLE POLE SWITCH,120 VOLT,20 AMP,SPEC GRADE, GROUNDING TYPE ,MOUNT 48" AFF, 3-3-WAY,4-4 WAY,P-PILOT LOWER CASE LETTER INDICATES FIXTURE OR CONTROLLED LOAD. PILOT LIGHT SWITCHES SHALL BE PROVIDED W/ ENGRAVED

S BURNER SAFETY SWITCH - PROVIDE WITH RED PLATE - MOUNTED 72" AFF

SELF CONTAINED EMERGENCY LIGHTING UNIT W/2 HEADS DUAL-LITE •LZ2 - 10 WATTS FOR 90 MINUTES, 6V D.C.

EXIT LIGHT FIXTURE - UNSWITCHED - SEE LIGHTING FIXTURE SCHEDULE

TCP TEMPERATURE CONTROL PANEL - PROVIDED BY M.C. WIRED BY E.C.

DUPLEX RECEPTACLE- 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE - MOUNT 18" AFF. "R" DENOTES REFRIGERATOR, "D" DENOTES DOUBLE DUPLEX

DUPLEX RECEPTACLE- 20A, 125V SPEC GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE - MOUNT 18" AFF. BOTTOM RECEPTACLE SWITCHED

DUPLEX RECEPTACLE- GROUND FAULT OUTLET 20A, 125V- TAMPER PROOF WITH MATCHING PLATE FURNISHED W/ OUTLET, FLUSH MOUNTED 45" AFF

FL DUPLEX RECEPTACLE- 15A, 125V SPEC. GRADE GROUNDING TYPE - FLUSH FLOOR MOUNTED.

RANGE OUTLET 50 AMP, 250 VOLT, GROUNDING TYPE FLUSH MOUNTED 18" AFF

DRYER OUTLET 30 AMP, 250 VOLT, GROUNDING TYPE FLUSH MOUNTED 18" AFF FACP FIRE ALARM CONTROL PANEL

FIRE ALARM AUDIO/VISUAL, MOUNT 6'-8"AFF - NUMERAL DENOTES CANDELA RATING "MH" DENOTES MINIHORN. NO DESIGNATION EQUILS A 15cd.

15SD FIRE ALARM VISUAL STROBE ONLY - FLUSH MOUNT 6'-8" AFF NUMERALS DENOTE CANDELA RATINGS.

135° 200° SYSTEM CONNECTED FIXED TEMPERATURE HEAT DETECTOR

FR SMOKE DETECTOR, PHOTOELECTRIC TYPE- SYSTEM CONNECTED. "ER" - ELEV. RECALL

SB S SYSTEM CONNECTED SMOKE DETECTOR, PHOTOELECTRIC TYPE- W/ SOUNDER BASE-"SB" DENOTES SOUNDER BASE.

SD DUCT SMOKE DETECTOR & TEST STATION

F FIRE ALARM PULL STATION - MOUNT 48"AFF

CTV CABLE TV JUNCTION BOX "CTV" - SIZE AS REQUIRED BY CABLE TV CO.

TV OUTLET LOCATION - CABLE AND JACKS BY E.C.

FL T FLOOR MOUNTED TELEPHONE/DATA DUAL JACK LOCATION MOUNT 18"AFF TWO CAT 5E CABLES BACK TO TBB.

TELEPHONE/DATA DUAL JACK LOCATION MOUNT 18"AFF - TWO CAT 5E CABLES BACK TO TBB.

TELEPHONE JACK LOCATION MOUNT 18"AFF - ONE CAT 5E CABLE

PC PHOTOCELL

LC LIGHTING CONTACTOR

TC TIMECLOCK PUSHBUTTON FOR ELECTRICALLY OPERATED DOOR FURN. W/ DOOR OPERATOR - WIRED BY E.C.

CH DOOR CHIME

DOOR PUSHBUTTON

WP WEATHERPROOF

IP INTERCOM PANEL IN UNIT

DOOR ELECTRIC STRIKE

IC INTERCOM PANEL AT RECEPTION

SPRINKLER SYSTEM FLOW SWITCH

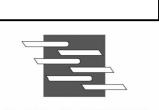
SPRINKLER SYSTEM TAMPER SWITCH

MOTION SENSOR (WATTSTOPPER OR EQUAL) CORRIDORS: WT-2255 SENSOR & B120E-P POWER PACK OTHER COMMON SPACES: WT-605 SENSOR & B120E-P POWER PACK SMOKE DAMPER

ARCHITECTS

49 DARTMOUTH STREET PORTLAND, MAINE 04101 207-775-1059 www.pdtarchs.com

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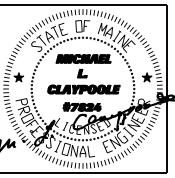
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DRWN. CHK SMR WSBJR

SCALE: AS NOTED

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Details

5 MARCH 2012

TITLE Electrical

SHEET

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