LIGHTING FIXTURE SCHEDULE

FIXT. TYPE	MANUFACTURER	CATALOG NO.	VOLTS	NO. OF LAMPS	LAMP TYPE	MOUNTING	DESCRIPTION
(4) A	CORELITE ALERA LIGHTING	NAVIGATOR NBLM2T8-1C(E)-AC (3) ALS2T8-20/80-CM-XX-LD-XX-277MW-XX-X	277	2 (1)	F032/835/XPS/ECO OR F32T8/SXL/SP35/ECO	PENDANT	DIRECT/INDIRECT FIXTURE, 30-20% UP AND 70-80% DOWN, FOR FIXTURE LENGTH AND NO. OF SECTIONS SEE PLANS. ALUMINUM HOUSING.
A1	CORELITE ALERA LIGHTING	NAVIGATOR NBLM3T8-2C(2E)-AC (3) ALS3T8-20/80-CM-XX-LD-XX-277MW-XX-X	277	3 (1)	F032/835/XPS/ECO OR F32T8/SXL/SP35/ECO	PENDANT	SAME AS FIXTURE TYPE "A" EXCEPT WITH 3 LAMPS AND TWO CIRCUITS FOR INNER/ OUTSIDE LAMP CONTROL.
B	CORELITE ALERA LIGHTING	NAVIGATOR NBNM2T8-1C(1E)-AC (3) ALS2T8-0/100-CM-XX-LD-XX-277MW-XX-X	277	2 (1)	F032/835/XPS/ECO OR F32T8/SXL/SP35/ECO	PENDANT	SAME AS FIXTURE TYPE "A" EXCEPT 100% DOWN.
G	COOPER LIGHTNG	C6218-E-6251-LI-HB26	277	2	CF18DT/E/IN/835	RECESSED	6" DIA. OPEN DOWNLIGHT WITH CLEAR REFLECTOR AND WHITE TRIM, ELECTRONIC BALLAST.
G1	COOPER LIGHTNG	C6218-E-6211-LI-HB26	277	2	CF18DT/E/IN/835	RECESSED	6" DIA. OPEN WALLWASH WITH CLEAR REFLECTOR AND WHITE TRIM, ELECTRONIC BALLAST.
H	LINEAR LIGHTING	WW2-D-I-ET8-277-PBL-R-NO-XX (3) (2)	277	1 (1)	F032/835/XPS/ECO OR F32T8/SXL/SP35/ECO	RECESSED	LINEAR COVE LIGHT WITH BLADES, LENGTH AS SHOWN ON DRAWINGS.
J	ROBERT	D/I-22-C-BIAX-277V	277	2	FT40DL/835/RS	RECESSED	2'X2' FLUORESCENT DIRECT/INDIRECT FIXTURE WITH PERFORATED LAMP ENCLOSURE.
J2	ROBERT	D/I-24-C-XX-277V (3)	277	2	F032/835/XPS/ECO OR F32T8/SXL/SP35/ECO	RECESSED	SAME AS TYPE "J" EXCEPT 2'X4' FIXTURE
S	NEORAY	41/2T8-S72-XFT (3)	277	2 (1)	F032/835/XPS/ECO OR F32T8/SXL/SP35/ECO	RECESSED	FLUORESCENT RECESSED LINEAR FIXTRE WITH BOLD BAFFLES 1.2" O.C. FOR SECTIONS LENGTH REFER TO PLANS
S1	NEORAY	41/2T8-S72-XFT-DIM (3)	277	2 (1)	F032/835/XPS/ECO OR F32T8/SXL/SP35/ECO	RECESSED	SAME AS TYPE "S" EXCEPT WITH DIMMING BALLAST. FOR SECTION LENGTH REFER TO PLANS.
T	ALERA LIGHTING	ME-XX-232-CM-PAB-XX-277 (3)	277	2 (1)	F032/835/XPS/ECO OR F32T8/SXL/SP35/ECO	PENDANT	2-LAMP PENDANT FIXTURE WITH PARABOLIC LOUVERS, FOR FIXTURE LENGTH AND NO. OF SECTIONS SEE PLANS.
Z	ALKCO	EG-12-FL-2-DS	120	2	6WT5	WALL	"IN-USE" LIGHT
EB	LITHONIA	ELU4N-V-H1212 ELA MS4/8 - SHELF	120	2	12 W INC.	WALL	BATTERY PACK WITH TWO LAMPS, BATTERY - NICKEL CADMIUM, 50W CAPACITY
X	LIGHT PANEL TECHNOLOGIES, LLC	DCA-AC-2A	277	-	ELECTROLUMINESCENT	UNIVERSAL	DIE CAST ALUMINUM EXIT SIGN, W/ ELECTROLUMINESCENT LAMP LIGHT SOURCE, GREEN LETTERS, ARROWS AND FACE, REFER TO DRAWING

(1) NUMBER OF LAMPS IN CROSS SECTION.
(2) PROVIDE WALL-TO-WALL FIXTURE WITH STRAIGHT EXTENSION AS REQUIRED.
(3) PROVIDE MATCHING SYLAVANIA QUICKTRONIC OR GE ULTRAMAX BALLASTS.
(4) MATCH EXISTING FIXTURE (CORELITE) ON 2ND FLOOR.

MISCELLANEOUS SYMBOLS

SYMBOL	DESCRIPTION
2	MOTOR. NUMERAL INDICATES HORSEPOWER.
J	NON-FUSED DISCONNECT SWITCH. 3 POLE, 30 AMP, UNLESS OTHERWISE NOTED.
30A 20A J	FUSED 3 POLE DISCONNECT SWITCH. "30A" DENOTES SWITCH SIZE, "20A" DENOTES FUSE SIZE.
J 30A 20A	COMBINATION STARTER/NON-FUSED DISCONNECT SWITCH. 3 POLE, 30 AMP SWITCH, WITH NEMA SIZE 1 STARTER UNLESS OTHERWISE NOTED. (WITH FUSED DISCONNECT SWITCH)
	MAGNETIC MOTOR STARTER.
	PUSHBUTTON CONTROL STATION, FUNCTION AS INDICATED ON PLAN.
J	JUNCTION BOX.
	SURFACE MOUNTED 120/208 VOLT PANELBOARD 6'-6" A.F.F. TO TOP. (FLUSH MOUNTED)
	SURFACE MOUNTED 277/480 VOLT PANELBOARD 6'-6" A.F.F. TO TOP. (FLUSH MOUNTED)
	SURFACE MOUNTED CONTROL PANEL 6'-6" A.F.F. TO TOP. (FLUSH MOUNTED)
T	DRY TYPE TRANSFORMER, RATING AS INDICATED ON SCHEMATIC RISER DIAGRAM.
	PLUGMOLD STRIP WITH GROUNDING RECEPTACLES. SEE SPECIFICATIONS.
	WIREMOLD WITH DUPLEX GROUNDING RECEPTACLES. SEE SPECIFICATIONS.
TC	TIME CLOCK. REFER TO SPECIFICATIONS.
C	CONTACTOR. REFER TO SPECIFICATIONS.
MOD	MOTORIZED DAMPER.
R	RELAY
H	EMERGENCY POWER OFF MUSHROOM TYPE PUSHBUTTON PROVIDED WITH FULL ALUMINUM GUARD, MOUNTED AT 54" A.F.F. UNLESS OTHERWISE NOTED.
	PROGRAM OR DOOR BELL.
	PUSHBUTTON STATION.
N	NURSE CALL STATION.
N	NURSE CALL DOME INDICATOR LIGHT.
S	LIGHTNING PROTECTION AIR TERMINAL ("S" DENOTES SPRING BASE).

GENERAL ABBREVIATIONS

ABBREVATIONS	DEFINITION
WP	WEATHERPROOF.
N.I.C.	NOT IN CONTRACT.
A.F.F.	ABOVE FINISHED FLOOR.
XP	EXPLOSION PROOF.
N.T.S.	NOT TO SCALE.
PIR	PASSIVE INFRARED.
ER	EXISTING DEVICE SHALL REMAIN.
EX	EXISTING DEVICE SHALL BE REMOVED.
XR	EXISTING DEVICE SHALL BE RELOCATED AS DIRECTED BY ARROW ON PLANS.

RECEPTACLE SYMBOLS

SYMBOL	DESCRIPTION
5	DUPLEX RECEPTACLE - GROUNDING TYPE - MOUNTED 18" A.F.F. UNLESS OTHERWISE INDICATED. NUMERAL INDICATES CIRCUIT NUMBER.
	DUPLEX RECEPTACLE - GROUNDING TYPE - MOUNTED AT 42" A.F.F. OR 6" ABOVE COUNTER TOP OR BACK SPLASH WHERE EXISTENT.
GFI	DUPLEX RECEPTACLE - GROUNDING TYPE - "GFI" INDICATES GROUND FAULT INTERRUPTING TYPE - MOUNTED 42" A.F.F. OR 6" ABOVE COUNTER TOP OR BACK SPLASH WHERE EXISTENT.
	DUPLEX RECEPTACLE - GROUNDING TYPE WITH SURGE SUPPRESSION PROTECTION MOUNTED AT 18" A.F.F. UNLESS OTHERWISE INDICATED.
	DUPLEX RECEPTACLE - ISOLATED GROUND TYPE - MOUNTED AT 18" A.F.F. UNLESS OTHERWISE INDICATED.
	SINGLE RECEPTACLE - GROUNDING TYPE - MOUNTED AT 18" A.F.F. UNLESS OTHERWISE INDICATED.
	DOUBLE DUPLEX RECEPTACLE - GROUNDING TYPE - MOUNTED AT 18" A.F.F. UNLESS OTHERWISE INDICATED.
	FLOOR OUTLET BOX WITH DUPLEX RECEPTACLE; REFER TO SPECIFICATIONS.
	FLOOR OUTLET BOX WITH DOUBLE DUPLEX RECEPTACLE; REFER TO SPECIFICATIONS.
	FLOOR OUTLET BOX WITH SINGLE RECEPTACLE; REFER TO SPECIFICATIONS.
	CEILING MOUNTED BOX WITH DUPLEX RECEPTACLE; REFER TO SPECIFICATIONS.
A	SPECIAL PURPOSE RECEPTACLE - "A" INDICATES TYPE AS SHOWN ON DRAWINGS OR IN SPECIFICATIONS.
A	SPECIAL PURPOSE RECEPTACLE - FLOOR OUTLET BOX - "A" INDICATES TYPE AS SHOWN ON DRAWINGS OR IN SPECIFICATIONS.
	POWER POLE; REFER TO SPECIFICATIONS AND DRAWINGS FOR RECEPTACLE CONFIGURATION.

FIRE ALARM SYMBOLS

SYMBOL	DESCRIPTION
F	FIRE ALARM PULL STATION MOUNT BOTTOM OF DEVICE AT 4'-0" A.F.F.
F 110cd	FIRE ALARM HORN / STROBE COMBINATION MOUNT BOTTOM OF DEVICE AT 6'-8" A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER. "110cd" DENOTES STROBE CANDELA RATING. NO "cd" VALUE INDICATES PROVIDE "75cd" STROBE.
110cd	FIRE ALARM STROBE ONLY. MOUNT BOTTOM OF DEVICE AT 6'-8" A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER. "110cd" DENOTES STROBE CANDELA RATING. NO "cd" VALUE INDICATES PROVIDE "75cd" STROBE.
M	FIRE ALARM MINI-HORN / STROBE COMBINATION MOUNT BOTTOM OF DEVICE 6'-8" A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER.
F 135°	FIRE ALARM HEAT DETECTOR, FIXED TEMPERATURE TYPE. "135" INDICATES TEMPERATURE SETTING.
R 135°	FIRE ALARM HEAT DETECTOR, COMBINATION RATE OF RISE / FIXED TEMPERATURE. "135" INDICATES TEMPERATURE SETTING.
S	FIRE ALARM SMOKE DETECTOR.
S D	FIRE ALARM DUCT TYPE SMOKE DETECTOR.
S E	FIRE ALARM SMOKE DETECTOR WITH AUXILIARY CONTACTS FOR CROSS ZONING (ELEV. LOBBY).
S R	FIRE ALARM SMOKE DETECTOR WITH RELAY BASE.
S	FIRE ALARM SMOKE DETECTOR; STAND ALONE TYPE (120V.).
S	FIRE ALARM SMOKE DETECTOR BEAM TYPE - TRANSMITTER UNIT REFER TO PLANS FOR MOUNTING HEIGHT.
S	FIRE ALARM SMOKE DETECTOR BEAM TYPE - RECEIVER UNIT REFER TO PLANS FOR MOUNTING HEIGHT.
M	MAGNETIC DOOR HOLDER.
DH	DOOR HOLD OPEN DEVICE.
TS	TAMPER SWITCH.
FS	FLOW SWITCH.
PS	PRESSURE SWITCH.
FACP	FIRE ALARM CONTROL PANEL.
FAA	FIRE ALARM ANNUNCIATOR PANEL.
TPR	TRANSPONDER.
	REMOTE (LED) INDICATOR LIGHT.
F	EXTERIOR STROBE LIGHT.
F	FIRE ALARM MASTER BOX. SEE SPECIFICATIONS FOR MOUNTING.
K	FIRE ALARM KEY LOCK BOX.
RTS	DUCT SMOKE DETECTOR REMOTE INDICATOR/TEST STATION MOUNTED 6'-8" A.F.F. OR 6" BELOW FINISHED CEILING WHICHEVER IS LOWER.

COMMUNICATION AND SIGNAL SYMBOLS

SYMBOL	DESCRIPTION
	TELEPHONE OUTLET MOUNTED 18" A.F.F.; PROVIDE 4" SQUARE BOX WITH SINGLE GANG PLASTER RING AND 3/4" CONDUIT STUBBED UP 6" ABOVE CEILING AT 90 DEGREE ANGLE, TERMINATE WITH PLASTIC BUSHING. JACK AND CABLE-N.I.C. "W" INDICATES MOUNTED 54" A.F.F. "P" INDICATES PAY PHONE. "C" INDICATES MOUNTED 42" A.F.F. OR 6" ABOVE COUNTER.
	DATA OUTLET MOUNTED 18" A.F.F.; PROVIDE 4" SQUARE BOX WITH SINGLE GANG PLASTER RING AND 3/4" CONDUIT STUBBED UP 6" ABOVE CEILING AT 90 DEGREE ANGLE, TERMINATE WITH PLASTIC BUSHING. JACK AND CABLE-N.I.C. "C" INDICATES MOUNTED 42" A.F.F. OR 6" ABOVE COUNTER.
	COMBINATION DATA/TELEPHONE OUTLET MOUNTED 18" A.F.F.; PROVIDE 4" SQUARE BOX WITH SINGLE GANG PLASTER RING AND 3/4" CONDUIT STUBBED UP 6" ABOVE CEILING AT 90 DEGREE ANGLE, TERMINATE WITH PLASTIC BUSHING. JACK AND CABLE-N.I.C. "C" INDICATES MOUNTED 42" A.F.F. OR 6" ABOVE COUNTER.
	FLOOR OUTLET BOX WITH TELEPHONE OUTLET; REFER TO SPECIFICATIONS.
	FLOOR OUTLET BOX WITH DATA OUTLET; REFER TO SPECIFICATIONS.
	FLOOR OUTLET BOX WITH COMBINATION DATA/TELEPHONE OUTLET; REFER TO SPECIFICATIONS.
TV	FLOOR MOUNTED CABLE TELEVISION OUTLET.
TV	CABLE TELEVISION OUTLET MOUNTED AT 18" A.F.F. UNLESS OTHERWISE NOTED.
	CLOCK HANGER RECEPTACLE MOUNTED AT 7'-6" A.F.F. UNLESS OTHERWISE NOTED.
VI	DATA AND CABLE TELEVISION OUTLET MOUNTED 18" A.F.F. UNLESS OTHERWISE NOTED. REFER TO TECHNOLOGY OUTLET CONFIGURATION DRAWINGS FOR DETAILS.

CONDUIT AND WIRE SYMBOLS

SYMBOL	DESCRIPTION
LA-1,3,5	HOMERUN TO PANELBOARD "LA", CIRCUIT NUMBERS 1,3,5. DIAGONAL LINES INDICATE NUMBER OF PHASE AND NEUTRAL WIRES, NO DIAGONAL LINES INDICATES 1/2"C.- 2#12 & 1#12 GND., UNLESS OTHERWISE NOTED.
	RACEWAY CONCEALED IN CEILING OR WALLS, OR EXPOSED IN UNFINISHED AREAS.
	RACEWAY CONCEALED IN FLOOR SLAB.
	FLEXIBLE RACEWAY; SIZE AS REQUIRED.
	CONDUIT UP.
	CONDUIT DOWN.
XP	EXPLOSION PROOF SEAL ON CONDUIT RUN.

LIGHTING SYMBOLS

SYMBOL	DESCRIPTION
A 2 b	CEILING OR WALL, SURFACE OR RECESSED MOUNTED FLUORESCENT LIGHTING FIXTURE; "A" DENOTES TYPE (REFER TO FIXTURE SCHEDULE), NUMERAL DENOTES CIRCUIT NUMBER, "b" DENOTES FIXTURE CONTROLLED BY SWITCH "b".
A 2 b	SURFACE MOUNTED STRIP FLUORESCENT LIGHTING FIXTURE, "A" DENOTES TYPE (REFER TO FIXTURE SCHEDULE), NUMERAL DENOTES CIRCUIT NUMBER, "b" DENOTES FIXTURE CONTROLLED BY SWITCH "b".
B 3 b	CEILING RECESSED OR SURFACE MOUNTED INCANDESCENT, COMP. FLUOR OR HID LIGHTING FIXTURE. "B" DENOTES TYPE, NUMERAL DENOTES CIRCUIT NUMBER, AND "b" DENOTES FIXTURE CONTROLLED BY SWITCH "b". (WALL MOUNTED).
	EXIT LIGHT CEILING MOUNTED WITH DIRECTIONAL ARROW AS INDICATED ON PLAN. (WALL MOUNTED WITHOUT ARROWS).
A	WALL WASHING LIGHTING FIXTURE; ARROW INDICATES AIMING. SEE FIXTURE SCHEDULE FOR MOUNTING.
	TRACK LIGHTING WITH QUANTITY OF LIGHTHEADS AS INDICATED ON PLANS.
NL NL	LIGHTING FIXTURE WIRED TO NIGHT OR EMERGENCY LIGHTING CIRCUIT.
EB	EMERGENCY BATTERY UNIT WITH UNIT MOUNTED LIGHTHEADS. NUMBER OF LIGHTHEADS AS INDICATED ON PLANS.
	REMOTE EMERGENCY LIGHTHEAD.
EB	EMERGENCY BATTERY UNIT WITH REMOTE LIGHTHEADS AS INDICATED ON PLANS.
	COMBINATION FAN/LIGHT UNIT.
	POLE MOUNTED FLOODLIGHT UNIT; NUMBER OF FIXTURE HEADS AS INDICATED ON PLANS.
	POST

SWITCHING DESIGNATIONS

SYMBOL	DESCRIPTION
S	SINGLE POLE SWITCH MOUNTED 4'-0" A.F.F.
S_2	TWO POLE SWITCH MOUNTED 4'-0" A.F.F.
S_3	THREE WAY SWITCH MOUNTED 4'-0" A.F.F.
S_4	FOUR WAY SWITCH MOUNTED 4'-0" A.F.F.
S_D	DIMMER SWITCH MOUNTED 4'-0" A.F.F.
S_K	SINGLE POLE SWITCH - KEY OPERATED - MOUNTED 4'-0" A.F.F.
S_P	SINGLE POLE SWITCH AND PILOT LIGHT MOUNTED 4'-0" A.F.F.
S_M	MOTOR RATED SWITCH WITH THERMAL OVERLOAD PROTECTION.
S_F	VARIABLE SPEED FAN SWITCH MOUNTED AT 4'-0" A.F.F.
S_T	TIME SWITCH MOUNTED 4'-0" A.F.F.
S_L	LOW VOLTAGE SWITCH 4'-0" A.F.F.
S_{MC}	MOMENTARY CONTACT SWITCH MOUNTED 4'-0" A.F.F.
PC	PHOTOCELL CONTROL DEVICE
DS W	DAYLIGHT SENSOR ; "W" INDICATES MOUNTING HEIGHT OF 4'-0" A.F.F.
US W	ULTRASONIC OCCUPANCY SENSOR; "W" INDICATES MOUNTING HEIGHT OF 4'-0" A.F.F.
IR W	INFRA-RED OCCUPANCY SENSOR; "W" INDICATES MOUNTING HEIGHT OF 4'-0" A.F.F.
DT W	DUAL TECHNOLOGY OCCUPANCY SENSOR; "W" INDICATES MOUNTING HEIGHT OF 4'-0" A.F.F.

SOUND SYMBOLS

SYMBOL	DESCRIPTION
	COMBINATION CLOCK/SPEAKER UNIT, FLUSH WALL MOUNTED.
S	CEILING MOUNTED SPEAKER.
S	SPEAKER; FLUSH WALL MOUNTED.
S	LOUDSPEAKER; SURFACE WALL MOUNTED.
M W	MICROPHONE OUTLET. "W" INDICATES WALL MOUNTED.
A	AMPLIFIER
V	VOLUME CONTROL MOUNTED AT 48" A.F.F. UNLESS OTHERWISE NOTED.

SECURITY SYMBOLS

SYMBOL	DESCRIPTION
	SECURITY MOTION DETECTOR (CEILING MOUNTED RADIAL TYPE).
	SECURITY MOTION DETECTOR (WALL MOUNTED DIRECTIONAL TYPE).
DS	DOOR SECURITY SWITCH.
KP	KEY PAD.
CR	CARD KEY ACCESS READER.
DL	DOOR LOCK (ELECTRIC STRIKE).
	SIREN.
	CLOSED CIRCUIT TV CAMERA.

NOTE: ALL SYMBOLS ON THIS LIST ARE NOT NECESSARILY USED ON THIS JOB.

SMMA
SYMMES MAINI & MCKEE ASSOCIATES

1000 Massachusetts Avenue
Cambridge, Massachusetts 02138
617.547.5400 Fax 617.354.5758

OWNER REVIEW

NAME	DATE

NO.	DATE	DESCRIPTION
	06.21.06	ISSUED FOR CONSTRUCTION
	05.03.06	SCOPE REVISION
C	03.22.06	100% QC REVIEW
B	03.16.06	PROGRESS PRINT
A	03.08.06	80% PROGRESS PRINT

ISSUE LOG
△ = CLOUDED CHANGE

UNIVERSITY OF SOUTHERN MAINE
70 FALMOUTH STREET
PORTLAND, MAINE

RESEARCH WING
PHASE III FIT-OUT

LEGEND AND FIXTURE SCHEDULE

SCALE	NONE
DRAWN BY	SAI
CHECKED BY	
PROJ. ARCH. / ENGR.	SD
PROJ. MGR.	RCH
JOB NO.	03049.10

© SYMMES, MAINI & MCKEE ASSOCIATES, INC. 2004

E0.01