

REVISIONS

NO.	DATE	DESCRIPTION

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7th Fl. Lighting Plan
UBS
 ONE CITY CENTER
 PORTLAND, ME 04101

DATE: 07.13.07
 DRAWN BY: RE
 CHECKED BY: OB
 CADD FILE:

E-3.7

LIGHT FIXTURE SCHEDULE

SYMBOL	DESCRIPTION
	2' x 2' RECESSED DIRECT/INDIRECT FLUORESCENT LIGHT FIXTURE, STATIC WITH ACROIC LENS, SPECULAR ALUMINUM REFLECTOR, MANUFACTURER LIGHTOLIER HFO SERIES, 277V, 150W, 4000K, 2-PIN GROUDED BALLASTS FOR LIGHT FIXTURES IN CONFERENCE ROOMS.
	2' x 2' RECESSED DIRECT/INDIRECT FLUORESCENT LIGHT FIXTURE, STATIC WITH ACROIC LENS, SPECULAR ALUMINUM REFLECTOR, MANUFACTURER LIGHTOLIER HFO SERIES, 277V, 150W, MODEL # H85304P/100VAC.
	EMERGENCY FIXTURE WITH BATTERY PACK AND INTEGRAL TEST SWITCH OTHERWISE SAME AS ABOVE.
	2' x 4' RECESSED ROUND/Accent FLUORESCENT LIGHT FIXTURE, STATIC WITH ACROIC LENS, SPECULAR ALUMINUM REFLECTOR, MANUFACTURER LIGHTOLIER HFO SERIES, 277V, 320W, MODEL # H85304Z/200VAC.
	RECESSED 2' ROUND/Accent LOW VOLTAGE DOWNLIGHT WITH ADJUSTABLE ACROIC LENS, SPECULAR ALUMINUM REFLECTOR, MANUFACTURER LIGHTOLIER HFO SERIES, 277V, 150W, MODEL # H85304Z/200VAC.
	RECESSED 2' ROUND/Accent LOW VOLTAGE DOWNLIGHT WITH ADJUSTABLE ACROIC LENS, SPECULAR ALUMINUM REFLECTOR, MANUFACTURER LIGHTOLIER HFO SERIES, 277V, 150W, MODEL # H85304Z/200VAC.
	RECESSED 2' ROUND/Accent LOW VOLTAGE DOWNLIGHT WITH ADJUSTABLE ACROIC LENS, SPECULAR ALUMINUM REFLECTOR, MANUFACTURER LIGHTOLIER HFO SERIES, 277V, 150W, MODEL # H85304Z/200VAC.
	RECESSED 2' ROUND/Accent LOW VOLTAGE DOWNLIGHT WITH ADJUSTABLE ACROIC LENS, SPECULAR ALUMINUM REFLECTOR, MANUFACTURER LIGHTOLIER HFO SERIES, 277V, 150W, MODEL # H85304Z/200VAC.
	RECESSED 2' ROUND/Accent LOW VOLTAGE DOWNLIGHT WITH ADJUSTABLE ACROIC LENS, SPECULAR ALUMINUM REFLECTOR, MANUFACTURER LIGHTOLIER HFO SERIES, 277V, 150W, MODEL # H85304Z/200VAC.
	RECESSED 2' ROUND/Accent LOW VOLTAGE DOWNLIGHT WITH ADJUSTABLE ACROIC LENS, SPECULAR ALUMINUM REFLECTOR, MANUFACTURER LIGHTOLIER HFO SERIES, 277V, 150W, MODEL # H85304Z/200VAC.
	RECESSED 2' ROUND/Accent LOW VOLTAGE DOWNLIGHT WITH ADJUSTABLE ACROIC LENS, SPECULAR ALUMINUM REFLECTOR, MANUFACTURER LIGHTOLIER HFO SERIES, 277V, 150W, MODEL # H85304Z/200VAC.
	RECESSED 2' ROUND/Accent LOW VOLTAGE DOWNLIGHT WITH ADJUSTABLE ACROIC LENS, SPECULAR ALUMINUM REFLECTOR, MANUFACTURER LIGHTOLIER HFO SERIES, 277V, 150W, MODEL # H85304Z/200VAC.

NOTE: REFER TO ARCHITECTURAL DRAWING FOR COMPLETE LIGHTING SCHEDULE.

LIGHTING NOTES

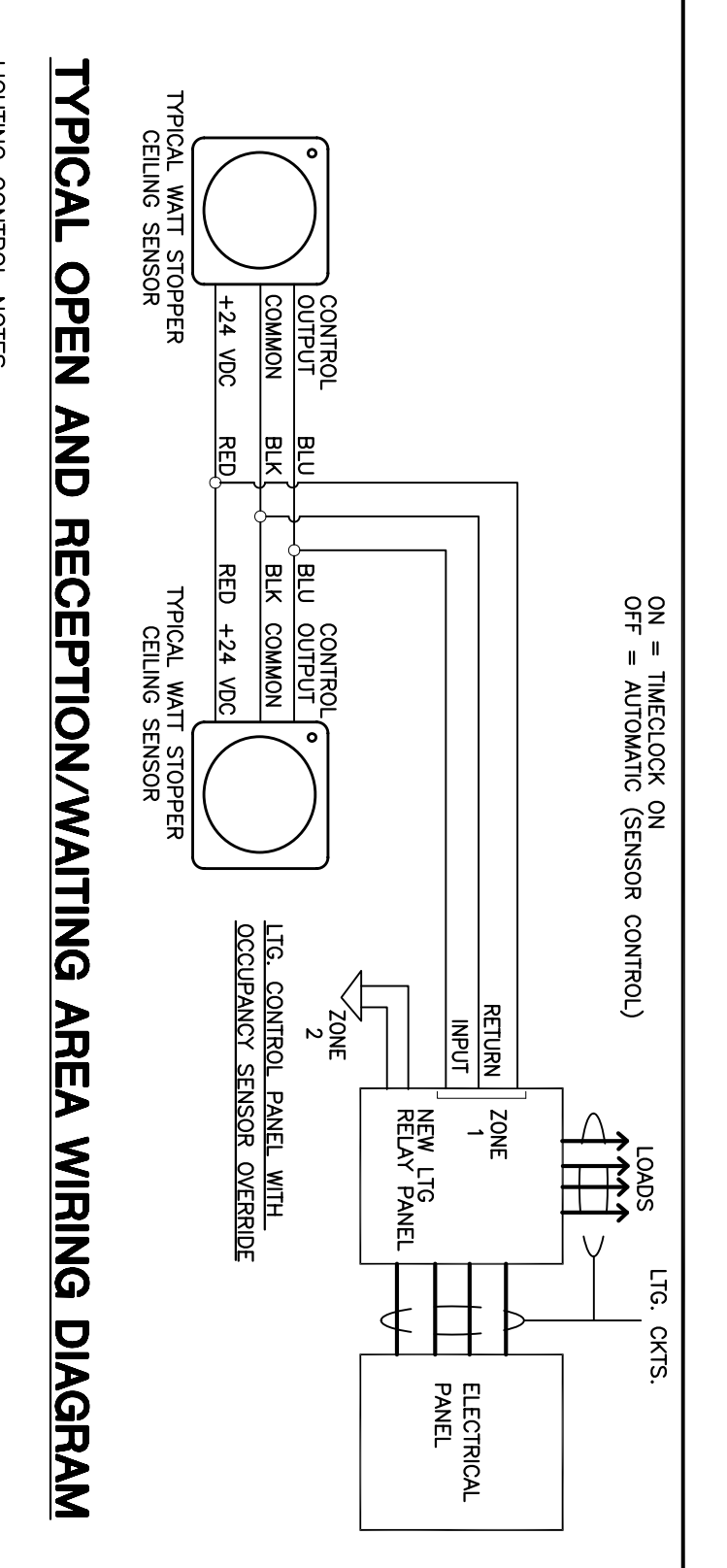
- ALL 277 VOLTS LIGHTING BRANCH CIRCUITS TO EXISTING 277/480V, 3Ø, 4W PANEL, 1"U, UO.N.
- EXISTING 277V LIGHTING SHALL BE SEPARATELY IDENTIFIED TO EXIST. 150W AND 320W LIGHTING SHALL BE SEPARATELY IDENTIFIED TO EXIST. 150W AND 320W LIGHTING SHALL BE IDENTIFIED TO EXIST. 150W AND 320W LIGHTING SHALL BE IDENTIFIED TO EXIST.
- THIS CONTRACTOR SHALL INSTALL A SWITCHABLE TYPE EMERGENCY BALLAST IN THE LIGHT FIXTURE BACK-UP SHALL BE ACTIVE ONLY WHEN THE UNMOUNTED HOT DROPS OUT.
- CONTRACTOR SHALL PROVIDE ONE LIGHTING CONTROL RELAY PANEL, 1"HS-8-277V AS MANUFACTURED BY WATSON, IN ELECTRICAL CLOSET. CLOSEST CEILING MOUNTED ULTRASONIC SENSORS SHALL ACT AS OVERSEER FOR THE LIGHT FIXTURES AFTER PRESET TIME FOR SHUT-OFF BY THE CONTRACTOR. THE PROGRAMMING OF THE TIME CLOCK WITH THE UPS PROVIDER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR:
 - FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK PLACEMENT.
 - FIELD VERIFICATION OF REQUIRED NUMBER OF POWER PACKS AS SHOWN.
 - DO NOT INDICATE NUMBERS REQUIRED FOR SENSORS OR CIRCUITS SHOWN.
 - TOGGLE SWITCHES SHALL ACT AS MANUAL AUTO-OFF SWITCH TO OCCUPANCY SENSOR.
 - CONTRACTOR SHALL PROVIDE OCCUPANCY SENSORS, POWER PACKS AND WIRING.
 - SET TIME DELAY FOR HALLWAY OCCUPANCY SENSOR TO ITS MAXIMUM.
- CONNECT TO 120V POWER CIRCUIT P-28.
- LOCATION AND DIMENSION OF ALL LIGHT FIXTURES, SWITCHES AND DEVICES SHALL BE AS PER ARCHITECT'S DRAWING.
- COLOR, TYPE AND FINISH OF ALL LIGHT FIXTURES, SWITCHES AND DEVICES SHALL BE AS PER ARCHITECT.
- ALL NEW WORK SHALL BE CARRIED OUT IN STRICT COMPLIANCE OF N.E.C., B.O.C.C.A., BUILDING DEPARTMENT AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. ALL EXISTING WORK SHALL BE IDENTIFIED AND PROTECTED BY THE CONTRACTOR. THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DRAWINGS AND THE EXISTING CONDITIONS AND INCLUDE IN HIS BID TO CORRECT THE SAME AS EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND DIMENSIONS OF ALL LIGHT FIXTURES, SWITCHES, AND DEVICES, AS WELL AS NUMBER OF FACES AND BAYONET DIRECTION OF ALL LIGHT FIXTURES.
- SUBSTITUTIONS FOR SPECIFIED LIGHTING PRODUCTS ARE NOT PERMITTED. A WILL NOT BE AT DISCRETION OF OWNER, UNLESS THE ENTIRE LIGHTING PRODUCT BID & EXCLUDE CONTRACTOR FROM FURTHER CONSIDERATION.
- UNIT PRICING SHOULD BE MADE AVAILABLE ON ALL SPECIFIED LIGHTING FIXTURES.

SENSOR LEGEND

- CEILING MOUNTED OCCUPANCY SENSOR, WAIT STOPPER Q-205, "Z" INDICATES ZONE
- CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR, DIRECTIONAL, MOUNT PROPERLY, "Z" INDICATES ZONE, WAIT STOPPER MODEL WIT-CO-1105
- CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR, MOUNT PROPERLY, "Z" INDICATES ZONE, WAIT STOPPER MODEL WIT-CO-2205
- CEILING MOUNTED ULTRASONIC HALLWAY OCCUPANCY SENSOR, DIRECTIONAL, MOUNT PROPERLY, "Z" INDICATES ZONE, WAIT STOPPER MODEL WIT-CO-2255
- WALL MOUNTED IN-WALL SWITCH WAIT STOPPER MODEL TS-CO-400

WIRING LEGEND

- SINGLE POLE SWITCH
- WALL MOUNTED THREE WAY DIMMER SWITCH NOW, T SERIES
- WALL MOUNTED THREE WAY SWITCH
- JUNCTION BOX, SIZE AS REQUIRED
- INDICATING NUMBER OF ARMORED CABLES, NUMBER OF EXISTING ELECTRICAL PANEL



TYPICAL OPEN AND RECEPTION/WAITING AREA WIRING DIAGRAM

ULTRASONIC CEILING MOUNTED SENSORS SHALL BE LOCATED NO CLOSER THAN 6' FROM AIR SUPPLY/RETURN REGISTERS, CONTROLS, OR OTHER ELECTRICAL EQUIPMENT. SENSORS SHALL BE CALIBRATED AND TESTED BY THE CONTRACTOR AT TECHNICAL SERVICES INC. FOR TECHNICAL INFORMATION AND ORDERING OF OCCUPANCY SENSORS AND LIGHTING CONTROL PANEL, P/N# (800) 955-2266.