ALL Wiring SHALL BE IN RACEWAYS.

BOXES ABOVE CEILING, AT LOCATIONS OF SENSOR DEVICES SO 277 VOLT, 120 VOLT AND 24 VOLT APPLICATIONS ARE NOT IN SAME BOX, OR RACEWAY. SUPPORT USE TWO (OR MORE) JUNCTION BOXES, BOLTED TOGETHER AS NEEDED TO ACCOMMODATE WIRING OF WHEN ROOM IS OCCUPIED. PART OR ALL OF LIGHTING MAY BE TURNED OFF, OR BACK ON, AS NEEDED. LIGHT SWITCHING WILL BE PLACED AT DOOR OF ROOM AND WILL ALLOW COMPLETE CONTROL OF LIGHTS NEEDED. WIRE THREE-WAYS IN STANDARD FASHION.

PROVIDE THREE-WAY SWITCHING IN NOTED ROOMS. IN SUCH ROOMS ONLY ONE "SENSOR SYSTEM" IS NO OCCUPANCY SENSORS SHALL BE PLACED ON LIGHTING FOR CORRIDORS OR STAIRWAYS.

ALL SENSOR SYSTEM RELATED EQUIPMENTS SHALL BE FROM ONE MANUFACTURER.

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EXTENSIONS WITH TC CONTRACTOR.
USE THESE CONTACTS FOR CONTROL OF HVAC VIA TEMPERATURE CONTROL SYSTEM. COORDINATE WIRING OR AS NOTED OTHERWISE, WILL ONLY NEED AN LIGHT SWITCH.

DIAGRAM SHOWS TWO LEVEL LIGHTING FOR (FIXTURES WITH 3 OR 4 LAMPS). FIXTURES WITH TWO LAMPS, DEVICE THAT IS APPROVED FOR PURPOSE SHOWN.

OF SWITCHING POWER FOR LIGHTS. USE WATTSTOPPER A277-E, OR A FUNCTIONALLY EQUIVALENT USA A 277 TO 24 VOLT POWER SUPPLY HAVING A 277 VOLTS, 20 AMP RATED CONTROL CONTACT CAPABLE OF SWITCHING POWER FOR LIGHTS. USE A 24 VOLT CONTROL RELAY WITH A 24 VOLT COIL, AND A 120 VOLT, 20 AMP CONTACT. USE WATTSTOPPER DT-100L WITH CM 100 MOUNTING BRACKET, OR FUNCTIONALLY EQUIVALENT DEVICE WALL. MOUNT SENSOR ON "LONG" WALL OF ROOM, CENTERED ON WALL, APPROXIMATLY 6" BELOW CEILING.

SENSOR SYSTEM - GENERAL NOTES:
1. ALL WIRING SHALL BE IN RACEWAYS.
2. USE TWO (OR MORE) JUNCTION BOXES, BOLTED TOGETHER AS NEEDED TO ACCOMMODATE WIRING OF DEVICES 227 VOLT, 120 VOLT AND 24 VOLT APPLICATIONS ARE NOT IN SAME BOX, OR RACEWAY. SUPPORT BOXES ABOVE CEILING, AT LOCATIONS OF SENSOR.
3. LIGHT SWITCHING WILL BE PLACED AT DOOR OF ROOM AND WIRE ALLOW COMPLETE CONTROL OF LIGHTS WHEN ROOM IS OCCUPIED. PART OR ALL OF LIGHTING MAY BE TURNED OFF, OR BACK ON, AS NEEDED.
4. PROVIDE THREE-WAY SWITCHING IN NOTED ROOMS. IN SUCH ROOMS ONLY ONE "SENSOR SYSTEM" IS NEEDED. WERE THREE WAYS IN STANDARD FASHION.
5. NO OCCUPANCY SENSORS SHALL BE PLACED ON LIGHTING FOR CORRIDORS OR STAIRWAYS.
6. ALL SENSOR SYSTEM RELATED EQUIPMENTS SHALL BE FROM ONE MANUFACTURER.

SENSOR SYSTEM - REFERENCE NOTES:
USE THESE CONTACTS FOR CONTROL OF HVAC VIA TEMPERATURE CONTROL SYSTEM. COORDINATE WIRING EXTENSIONS WITH TC CONTRACTOR.

DIAGRAM SHOWS TWO LEVEL LIGHTING FOR (FIXTURES WITH 3 OR 4 LAMPS). FIXTURES WITH TWO LAMPS, OR AS NOTED OTHERWISE, WILL ONLY NEED AN LIGHT SWITCH.

USE A 277 TO 24 VOLT POWER SUPPLY HAVING A 277 VOLTS, 20 AMP RATED CONTROL CONTACT CAPABLE OF SWITCHING POWER FOR LIGHTS. USE WATTSTOPPER A277-E, OR A FUNCTIONALLY EQUIVALENT DEVICE THAT IS APPROVED FOR PURPOSE SHOWN.

USE A 24 VOLT CONTROL RELAY WITH A 24 VOLT COIL, AND A 120 VOLT, 20 AMP CONTACT. USE WATTSTOPPER DT-100L WITH CM 100 MOUNTING BRACKET, OR FUNCTIONALLY EQUIVALENT DEVICE WALL. MOUNT SENSOR ON "LONG" WALL OF ROOM, CENTERED ON WALL, APPROXIMATLY 6" BELOW CEILING.

USE A DUAL TECHNOLOGY TYPE SENSOR UTILIZING PASSIVE INFRARED SENSOR AND ULTRASONIC DETECTION SENSOR SHALL TURN ON WHEN BOTH TECHNOLOGIES ARE SENSED, AND SHALL TURN OFF WHEN NEITHER TECHNOLOGY IS SENSED. SENSORS TO COVER AREAS OF UP TO 1500 SQUARE FEET AND MOUNTABLE ON LONG WALL OF ROOM. USE WATTSTOPPER DT-100L WITH CM 100 MOUNTING BRACKET, OR FUNCTIONALLY EQUIVALENT DEVICE THAT IS APPROVED FOR PURPOSE SHOWN.

SEE LIGHTING PLAN FOR CIRCUIT NUMBER. PLEASE NOTE THAT ONE CIRCUIT SERVES MULTIPLE ROOMS.
SEE RECEPTACLE PANEL SCHEDULE FOR CIRCUIT NUMBERS. PLEASE NOTE THAT FAN COIL UNITS IN SEVERAL ROOMS MAY BE ON ONE CIRCUIT.

SCHEMATIC FOR [OS] S (LIGHTS, HVAC, FCU, DUAL TECH)

NO SCALE

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