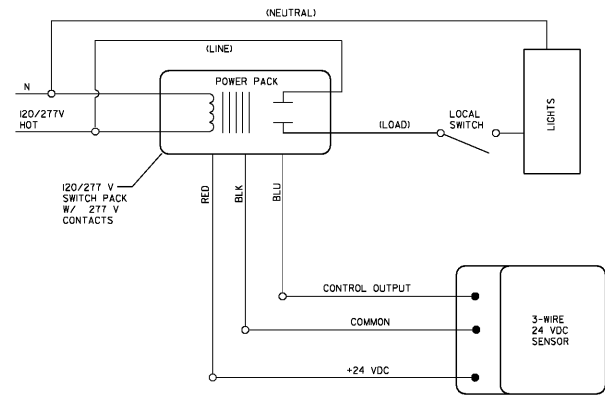


Order Plans @



1 TYP. SCHEMATIC WIRING DIAGRAM - LIGHTING SENSOR CONTROL

NOT TO SCALE (SEE MANUFACTURERS RECOMMENDATION FOR SCHEMATIC WHERE MULTIPLE SENSORS OCCUR IN SAME SPACE.)

GENERAL NOTES: (ALL LIGHTING SHEETS)

- SEE TYPICAL ROOMS FOR CIRCUITRY WITHIN TYPICAL SPACES.
- THESE PLAN INDICATES AREAS TO BE CONTROLLED BY MOTION SENSORS. SINCE COVERAGES AND DEVICES VARY BETWEEN MANUFACTURERS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE PROPER DEVICE LOCATION, ORIENTATION, AND QUANTITIES WITH THE MANUFACTURER OF THE SYSTEM BEING INSTALLED TO MEET THE SPECIFIED CRITERIA.
- ALL AREAS OF THIS PLAN REQUIRE OCCUPANCY SENSOR COVERAGE EXCEPT ELECTRICAL ROOMS, AND GYM.
- THERE ARE NO SWITCHPACKS SHOWN ON THIS PLAN. PROVIDE SWITCHPACKS AS REQUIRED WITH SENSORS. SWITCHPACKS ARE TO BE RATED AT 20A. PROVIDE ONE SWITCHPACK PER 20A LIGHTING CIRCUIT OR PER INDIVIDUAL AREA BEING CONTROLLED.
- CEILING SENSORS ARE TO BE MOUNTED AWAY FROM ANY STRONG AIRFLOW. COORDINATE LOCATION OF SENSORS WITH MECHANICAL AND LIGHTING PLANS.
- ALL SENSORS SHALL BE CEILING MOUNTED EXCEPT WHERE CEILING HEIGHTS EXCEED 15 FT.-0IN. PROVIDE SENSOR WITH ADAPTOR PLAT FOR JUNCTION BOX MOUNTING. JUNCTION BOX SHALL BE CONCEALED ABOVE ACCESSIBLE CEILING. JUNCTION BOX SHALL BE SUPPORTED FROM STRUCTURE UTILIZING A 3/8 IN. THREADED ROD WHERE CEILING HEIGHTS EXCEED 15 FT.-0 IN. WALL MOUNT SENSORS AT 12 FT.-0 IN.
- EXIT LIGHTS AND NIGHT LIGHTS TO REMAIN UNSWITCHED.

LIGHTING FIXTURE SCHEDULE		
TYPE	DESCRIPTION	MANUFACTURER
A	2 FT. X 4 FT. RECESSED LED TROFFER, A12/25 LENS, WHITE FLUSH STEEL DOOR WITH SMOOTH HEMMED SIDES, STANDARD 0-10 DIMMING. LAMPS: LED, 5526 LUMENS MINIMUM, 45 WATTS, 4000 DEGREE K DRIVER; UNV. VOLT DRIVER	COLUMBIA "LJT" SERIES, LITHONIA "GTL" SERIES
A1	2 FT. X 4 FT. RECESSED LED TROFFER, A12/25 LENS, WHITE FLUSH STEEL DOOR WITH SMOOTH HEMMED SIDES, STANDARD 0-10 DIMMING, PROVIDE GYPSUM FLANGE KIT. LAMPS: LED, 5526 LUMENS MINIMUM, 45 WATTS, 4000 DEGREE K DRIVER; UNV. VOLT DRIVER	COLUMBIA "LJT" SERIES, LITHONIA "GTL" SERIES
B	2 FT. X 4 FT. RECESSED LED TROFFER, A12/25 LENS, WHITE FLUSH STEEL DOOR WITH SMOOTH HEMMED SIDES, STANDARD 0-10 DIMMING. LAMPS: LED, 4800 LUMENS MINIMUM, 38 WATTS, 4000 DEGREE K DRIVER; UNV. VOLT DRIVER	COLUMBIA "LJT" SERIES, LITHONIA "GTL" SERIES
B1	2 FT. X 4 FT. RECESSED LED TROFFER, A12/25 LENS, WHITE FLUSH STEEL DOOR WITH SMOOTH HEMMED SIDES, STANDARD 0-10 DIMMING, PROVIDE GYPSUM FLANGE KIT. LAMPS: LED, 4800 LUMENS MINIMUM, 38 WATTS, 4000 DEGREE K DRIVER; UNV. VOLT DRIVER	COLUMBIA "LJT" SERIES, LITHONIA "GTL" SERIES
B2	2 FT. X 4 FT. RECESSED LED TROFFER, A12/25 LENS, WHITE FLUSH STEEL DOOR WITH SMOOTH HEMMED SIDES, STANDARD 0-10 DIMMING, PROVIDE GASKETING. LAMPS: LED, 4800 LUMENS MINIMUM, 38 WATTS, 4000 DEGREE K DRIVER; UNV. VOLT DRIVER	COLUMBIA "LJT" SERIES, LITHONIA "GTL" SERIES
C	2 FT. X 4 FT. RECESSED LED TROFFER, A12/25 LENS, WHITE FLUSH STEEL DOOR WITH SMOOTH HEMMED SIDES, STANDARD 0-10 DIMMING. LAMPS: LED, 4000 LUMENS MINIMUM, 34 WATTS, 4000 DEGREE K DRIVER; UNV. VOLT DRIVER	COLUMBIA "LJT" SERIES, LITHONIA "GTL" SERIES
D	2 FT. X 4 FT. RECESSED LED TROFFER, A12/25 LENS, WHITE FLUSH STEEL DOOR WITH SMOOTH HEMMED SIDES, STANDARD 0-10 DIMMING. LAMPS: LED, 3300 LUMENS MINIMUM, 28 WATTS, 4000 DEGREE K DRIVER; UNV. VOLT DRIVER	COLUMBIA "LJT" SERIES, LITHONIA "GTL" SERIES
E	COMMERCIAL DOWNLIGHT, RECESSED SELF FLANGED, 6 IN. APERTURE CLEAR SPECULAR LOW REFLECTOR REFLECTOR, WET LISTED. LAMPS: LED, 2000 LUMENS, 23 WATTS, 4000 DEGREE K DRIVER; UNV. VOLT	ELITE "HHE-LED" SERIES, HUBBELL "HSC" SERIES, OREE "SOL6" SERIES
F1	4 FT. LED STRIPLIGHT, WITH FROSTED DROP DIFFUSE LENS, SURFACE/PENDANT MOUNTED, STANDARD 0-10 DIMMING. LAMPS: LED, 5000 LUMENS, 45 WATTS, 4000 DEGREE K DRIVER; UNV. VOLT DRIVER	COLUMBIA "LJT" SERIES, LITHONIA "GTL" SERIES
F2	8 FT. LED STRIPLIGHT, WITH FROSTED DROP DIFFUSE LENS, SURFACE/PENDANT MOUNTED, STANDARD 0-10 DIMMING. LAMPS: LED, 10000 LUMENS, 90 WATTS, 4000 DEGREE K DRIVER; UNV. VOLT DRIVER	COLUMBIA "LJT" SERIES, LITHONIA "GTL" SERIES
G	WALL MOUNTED, DIRECT/INDIRECT FIXTURE, CURVED ACYLIC LENS. LAMPS: LED, 4800 LUMENS, 38 WATTS, 4000 DEGREE K DRIVER; UNV. VOLT DRIVER	COLUMBIA "LJT" SERIES, LITHONIA "GTL" SERIES
I	4 FT. SURFACE MOUNTED, SUSPENDED LED FIXTURE, VAPOR TIGHT GASKETED LENS, WET LISTED, ACYLIC LENS, WET LISTED. LAMPS: LED, 5000 LUMENS, 45 WATTS, 4000 DEGREE K DRIVER; UNV. VOLT DRIVER	LITHONIA "FEM" SERIES, COLUMBIA "LXEM" SERIES
J	BUILDING MOUNTED WALL PACK WITH FROSTED ALUMINUM HOUSING AND GLASS LENS, UL LISTED FOR WET LOCATION. LAMPS: LED, 600 LUMENS, 5 WATTS, 4000 DEGREE K DRIVER; UNV. VOLT DRIVER	EVERGREEN "5400" SERIES, HUBBELL "70L" SERIES, JEDCO LITHONIA "ABL" EELP "WP4" SERIES
K	BUILDING MOUNTED WALL PACK WITH DIE-CAST ALUMINUM HOUSING AND GLASS LENS, UL LISTED FOR WET LOCATION. LAMPS: LED, 12000 LUMENS, 102 WATTS, 4000 DEGREE K DRIVER; UNV. VOLT DRIVER	HUBBELL "WCH" SERIES, JUNG "WP3" SERIES, LITHONIA "ABL" EELP "WP3" SERIES
L	LED BACKUP AND EMERGENCY UNIT, LOW PROFILE CONTEMPORARY DESIGN WITH THERMOPLASTIC HOUSING, IMPACT RESISTANT. PROVIDE 90 MIN. BACK-UP BATTERY. LAMPS: LED (2) 15W BALLAST; UNV. VOLT	COMPASS "CU2" SERIES, LITHONIA "ELMS LED" SERIES, SURE-LITES "SELD" EVENLITE "TCL"
L	1 FT. X 4 FT. RECESSED LED TROFFER, A12/25 LENS, WHITE FLUSH STEEL DOOR WITH SMOOTH HEMMED SIDES, STANDARD 0-10 DIMMING. LAMPS: LED, 4200 LUMENS MINIMUM, 34 WATTS, 4000 DEGREE K DRIVER; UNV. VOLT DRIVER	COLUMBIA "LJT" SERIES, LITHONIA "GTL" SERIES
M	ROUND LED HIGHBAY LED, ALUMINUM HEAT SINK, GLASS OPTICAL ENCLOSURE #86 RATED, WIREGUARD OPTION (WGD) AS PER PRINTS. LAMPS: LED, 24000 LUMENS, 200 WATTS, 4000 DEGREE K DRIVER; UNV. VOLT DRIVER	HUBBELL "CRN" SERIES, LITHONIA SERIES
X1	LED ALUMINUM EXIT, DIE-CAST HOUSING UNIVERSAL MOUNTING STANDARD, SINGLE FACE, (WGD) PROVIDE WIRE GUARD. LAMPS: LED BALLAST; UNV. VOLT	LITHONIA "LOC" SERIES, DUAL "LITE" "SE" SERIES, EVENLITE "CCDS" SURE-LITES "CX7/WH"
X2	LED ALUMINUM EXIT, DIE-CAST HOUSING UNIVERSAL MOUNTING STANDARD, DOUBLE FACE, (WGD) PROVIDE WIRE GUARD. LAMPS: LED BALLAST; UNV. VOLT	LITHONIA "LOC" SERIES, DUAL "LITE" "SE" SERIES, EVENLITE "CCDS" SURE-LITES "CX7/WH"

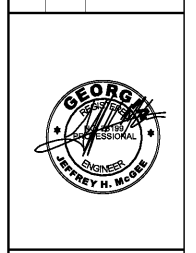
NOTES:
1. CONTRACTOR TO VERIFY ALL VOLTAGES, GRID AND CEILING TYPES WITH THE ARCHITECT AND COORDINATE FIXTURE DIMENSION SIZE TO ENSURE A PROPER FIT IN ALL CEILING TYPES PRIOR TO ORDERING.

ELECTRICAL LEGEND	
LIGHTING AND POWER	
	CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALL. HASH MARKS INDICATE NUMBER OF CONDUCTORS. (3 WIRE UNLESS SHOWN)
	CONDUIT RUN CONCEALED BELOW FLOOR SLAB, OR UNDERGROUND.
	HOMERUN TO PANELBOARD, LETTER OR LETTERS INDICATE PANELBOARD. NUMBERS INDICATES CIRCUIT NUMBERS.
	EXPOSED CONDUIT RUN.
	LIGHT FIXTURE, SEE LIGHTING FIXTURE SCHEDULE FOR MOUNTING AND TYPE. HASH MARKS MARK IN FIXTURE DENOTES EMERGENCY SWITCHED FIXTURE WITH 100 LUMEN 90MIN BATTERY CONTROLLED BY EMERGENCY LIGHTING POWER PACK.
	WALL MOUNTED LIGHT FIXTURE, SEE PLAN FOR MOUNTING HEIGHT.
	EXIT LIGHT, ARROWS, WHERE SHOWN, INDICATE DIRECTION OF EGRESS.
	MANUAL MOTOR STARTER, 3 FT. 6 IN. MOUNTING HEIGHT. (SEE DESCRIPTION ON PLANS)
	TOGGLE SWITCH.
	KEY OPERATED TOGGLE SWITCH.
	0-10V SLIDE DIMMER.
	PANELBOARD, SEE SCHEDULE.
	TRANSFORMER, SEE RISER DIAGRAM FOR SIZE AND VOLTAGE.
	DISCONNECT SWITCH, SIZE AS NOTED ON DRAWINGS.
LIGHTING SENSORS	
	WALL MOUNTED SENSOR SWITCH, IN MOUNTING HEIGHT WITH STOPPER DOWN, GREENGATE, NOVITAS, HUBBELL, LEVITON, SENSOR SWITCH.
	INFRARED SENSOR WALL STOPPER "WR" GREENGATE, NOVITAS, HUBBELL, LEVITON, SENSOR SWITCH.
	PASSIVE INFRARED AND ULTRASONIC OCCUPANCY SENSOR WITH 360 DEGREE OF COVERAGE, WATTS TOPPER (WTT) IN VARIOUS COLORS.
	HALLWAY OCCUPANCY SENSOR (WATT STOPPER "WT-2250", GREENGATE, NOVITAS, HUBBELL, LEVITON, SENSOR SWITCH).

- GENERAL NOTES:
- DO NOT SCALE DRAWINGS TO LOCATE EQUIPMENT OR OUTLETS.
 - THE ELECTRICAL DRAWINGS ARE ONLY A PART OF THE CONTRACT DOCUMENTS. ALL OF THE DRAWINGS AND SPECIFICATIONS MUST BE REVIEWED FOR THEIR INTERRELATIONSHIP AND REQUIRED COORDINATION BETWEEN DISCIPLINES.
 - SYMBOL FOR TYPE MECHANICAL OR PLUMBING EQUIPMENT. SEE MECHANICAL AND PLUMBING DRAWINGS.
 - SYMBOL INDICATED ROOM OR SPACE NUMBER.
 - ALL CONDUIT ROUTED FROM DISCONNECT TO EXTERIOR HVAC UNITS SHALL BE ROUTED UNDERGROUND, TURN UP ADJACENT TO UNIT TO MAKE TRANSITION TO SEALTITE TO SERVE UNIT. CONDUIT SHALL BE ROUTED CONCEALED IN WALL. SEE DETAIL, TYPICAL FOR EXTERIOR UNITS. (CONTRACTOR SHALL REFER TO ELECTRICAL SPECIFICATIONS FOR CONDUIT INSTALLATION)
 - ELECTRICAL CONTRACTOR IS ADVISED TO CAREFULLY REVIEW ALL SPECIFICATION SECTIONS. STRICT ADHERENCE TO THESE REQUIREMENTS WILL BE CAREFULLY CHECKED AT FINAL INSPECTION.
 - PRIOR TO PROJECT COMPLETION, ELECTRICAL CONTRACTOR SHALL OBTAIN FINAL SPACE NUMBERS FROM OWNER AND/OR ARCHITECT. TYPEWRITTEN PANELBOARD DIRECTORIES SHALL REFLECT SPACE DESIGNATION OF EACH CIRCUIT. NO EXCEPTIONS.
 - CONTRACTOR SHALL LEGIBLY MARK ALL SERVICE EQUIPMENT (PER NEC 2014 ARTICLE 10.24) WITH THE MAXIMUM AVAILABLE FAULT CURRENT.

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THESE DOCUMENTS, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF ARCHITECT AND NO PART THEREOF MAY BE USED OR REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION

NO.	REVISIONS	DATE

CONSTRUCTION DOCUMENT:
LEGEND, SCHEDULES, AND DETAILS