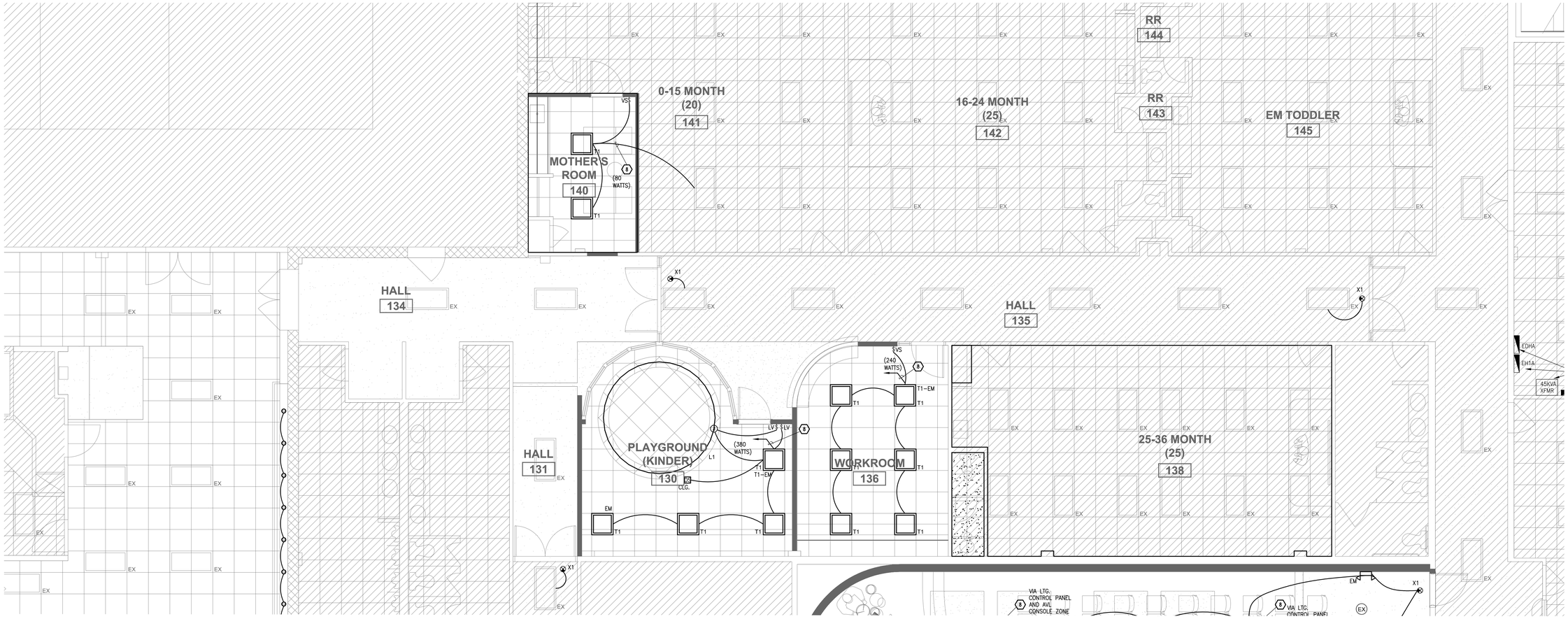

01 **KINDER PLAYROOM / MOTHER'S ROOM LIGHTING PLAN - LEVEL 1**
1/4" = 1'-0"

KEYNOTES "(X)"

1. BORDER INDICATES DAY LIGHT ZONES. THE DESIGN IS IN COMPLIANCE TO THE 2015 IECC DAY LIGHT RESPONSIVE CONTROL. IT IS DESIGNED FOR ALL FIXTURES SHOWN WITHIN THE LIMITS OF THE DASHED LINE, EXCEPT DECORATIVE WALL MOUNT LIGHT FIXTURES WHICH ARE NOT CONSIDERED FOR GENERAL LIGHTING AND AREAS WITH 150 WATTS OR LESS.
2. INDICATES SUSPENDED MOUNTED BATTERY PACK EMERGENCY LIGHT. SUSPEND WITH THREAD ROD TO STRUT SUPPORT AT FIXTURE. HEIGHT 9'6" TO BOTTOM OF FIXTURE.
3. LOW VOLTAGE OVERRIDE SWITCH FOR LIGHTING CONTROL PANEL. PROVIDE WITH TYPE WRITTEN, SELF-ADHESIVE LABEL " LIGHT TIMER OVERRIDE", PROGRAM FOR 0-2HOUR TIMED OVERRIDE.
4. 'NL' INDICATES FIXTURE TO OPERATE AS A NON-SWITCHED NIGHT LIGHT. BY-PASS LIGHTING CONTROL PANEL.
5. 'EX' INDICATES FIXTURE OR SWITCH IS EXISTING TO REMAIN.
6. REWIRE EXISTING LIGHTING CIRCUIT IN THIS ROOM SO THAT ALL THE LIGHTS ARE CONTROLLED TOGETHER AS INDICATED. TIE SENSOR, SO ENTIRE ROOM IS COVERED. PROVIDE ADDITIONAL POWER PACK AS NEEDED.
7. ALL LIGHTS IN THIS SPACE SHALL BE WIRED VIA OCCUPANCY SENSORS SHOWN. WIRE SENSORS AHEAD OF LOCAL SWITCHES. CONNECT TO EXISTING 277 VOLT CIRCUIT IF CAPACITY IS AVAILABLE, HOWEVER IF NOT PROVIDE NEW 20AMP 1POLE CIRCUIT FROM EXISTING PANEL. CIRCUIT SHALL NOT EXCEED 14 AMPS OR 4000 WATTS AT 277 VOLTS.
8. CONNECT TO EXISTING 277 VOLT CIRCUIT IF CAPACITY IS AVAILABLE, HOWEVER IF NOT PROVIDE NEW 20AMP 1POLE CIRCUIT FROM EXISTING PANEL. CIRCUIT SHALL NOT EXCEED 14 AMPS OR 4000 WATTS AT 277 VOLTS.
9. VERIFY FINAL LOCATION AND REQUIREMENTS WITH AVL PLANS.
10. VERIFY THAT NEW AVL LIGHTS CAN USE EXISTING POWER AND CONTROLS.
11. VERIFY LOCATION OF LIGHTING DRIVERS AND CONTROLS BELOW IN CABINET WITH ARCHITECT.
12. PROVIDE ASTRONOMICAL TIME SWITCH SENSOR SWITCH OR CRESTRON, WITH 4 POLE MULTI-POLE CONTACTOR, AND TIMED OVERRIDE SWITCH FOR SANCTUARY LIGHTING. WIRE AHEAD OF DIMMING CONTROLS.
13. PROVIDE SCENE CONTROLLER CONNECTED TO AVL CONSOLE. REFER TO DETAIL 1 ON SHEET E302.
14. PROVIDE ENTERTAINMENT NETWORKS DEBC DMX EMERGENCY BYPASS CONTROLLER DEVICE FOR CONTROL OF BATTERY OPERATION FOR FIXTURE TYPE P1-EM. UPON LOSS OF POWER THE FIXTURE SHALL ILLUMINATE FULL BRIGHT AND BYPASS THE DMX CONTROL. LOCATE DEVICE NEAR CONSOLE SO IT CAN EASILY BE ACCESSED

GENERAL NOTES

A. THE EXISTING DEVICES SHOWN ON THIS PLAN ARE BASED ON CASUAL FIELD OBSERVATION AND EXISTING ELECTRICAL PLANS. ALL EQUIPMENT HAS NOT NECESSARILY BEEN SHOWN. THEREFORE IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND PERFORM A SITE VISIT TO DETERMINE THE FULL SCOPE. ALSO REFER TO ARCHITECTURAL PLANS FOR DEMOLITION REQUIREMENTS.
B. PROVIDE P-TOUCH LABEL ON ALL WALL PLATES TO INDICATE CIRCUIT NUMBER.
C. CONTRACTOR SHALL UPDATE AS-BUILT DRAWINGS WITH THE EXACT CIRCUIT NUMBERS USED AND PROVIDE TYPEWRITTEN DIRECTORY CARD IN PANELBOARD REFLECTING THE CORRECT INSTALLATION. ALL SPARE BREAKERS SHALL BE TURNED TO THE "OFF" POSITION.
D. INCLUDE SUFFICIENT LABOR AND EQUIPMENT IN BID TO FIELD VERIFY CIRCUIT NUMBERS SERVING RENOVATED AREA AND EXISTING LOADS ON THOSE CIRCUITS. DO NOT EXCEED 16 AMPS ON LIGHTING CIRCUITS.
E. EXISTING CONDUCTORS AND CONDUIT MAY BE REUSED IF IN GOOD CONDITION, COMPLIANT WITH CURRENT CODES, AND IF CONTRACTOR WILL WARRANT AS NEW FOR ONE YEAR WARRANTY PERIOD.
F. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATIONS FOR EXACT LOCATION OF ALL LIGHT FIXTURES.
G. LIGHT FIXTURES LABELED WITH EXTENSION "EM" HAVE BATTERY BACKUP, THEREFORE WIRE SUCH THAT THEY ARE LOCAL SWITCH CONTROLLED AND AUTOMATICALLY BURN FULL BRIGHT UPON LOSS OF NORMAL POWER. FIXTURE SHALL AUTOMATICALLY RETURN TO LOCAL SWITCH CONTROL UPON RETURN OF NORMAL POWER. PROVIDE AN ADDITIONAL UNSWITCHED HOT WIRE FOR MONITORING POWER AND BATTERY CHARGING.
H. THE CONTRACTOR SHALL LOCATE AND AIM ALL OCCUPANCY SENSORS AS REQUIRED FOR COMPLETE (100%) COVERAGE OF THE CONTROLLED AREAS PER THE MANUFACTURER'S RECOMMENDATIONS. WALL/CEILING MOUNTED VACANCY/OCCUPANCY SENSORS SHALL BE PROVIDED WITH POWER PACK AND ALL REQUIRED ACCESSORIES. MANUFACTURER/MODEL SHALL BE AS NOTED BELOW. WHERE CEILING MOUNTED SENSORS ARE SHOWN WITH WALL SWITCHES FOR CONTROL OF THE SAME AREA, CONNECT SENSOR/POWER PACK DOWNSTREAM OF WALL SWITCH.
   - WALL MOUNTED DIMMER SWITCH/VACANCY SENSOR:
     SENSOR SWITCH – WSX-PDT-D-SA-XX (COLOR PER ARCHITECT)
   - WALL MOUNTED VACANCY SENSOR:
     SENSOR SWITCH – WSX-PDT-VA-XX (COLOR PER ARCHITECT)
   - WALL MOUNTED 3-WAY VACANCY SENSOR:
     STEINEL – DT WLS 1 XX (COLOR PER ARCHITECT)
   - CEILING MOUNTED SENSOR:
     SENSOR SWITCH – CM-PDT-9
   - WALL MOUNTED LOW VOLTAGE PUSH BUTTON:
     ACUITY – sPODM SA XX (COLOR PER ARCHITECT)
   - POWER PACKS:
     SENSOR SWITCH – PP20 (WALL/CEILING MOUNTED SENSORS)
     ACUITY – MP20 (LOW VOLTAGE PUSH BUTTON SWITCH)
I. LOWER CASE LETTER ADJACENT TO LIGHT FIXTURE & SWITCHES DESIGNATES SWITCH SERVING FIXTURE.
J. EXIT LIGHTS AND BATTERY PACK EMERGENCY LIGHTS SHALL NOT BE SWITCHED. SERVE FIXTURES FROM NON-SWITCHED PORTION OF NEAREST LIGHTING BRANCH CIRCUIT OR AS INDICATED ON PLAN.

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PROJECT NO.: **16054**
SHEET TITLE:
PHASE I-
KINDER PLAY
LIGHTING
FLOOR PLAN
SHEET NO.:
E112

FILE: G:\PROJECTS\PDD\PDD1611 - Binnerri Church Remodel\Drawings\E111 - PDD1611 - PH1.dwg
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