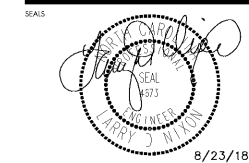




ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

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PROJECT Project Number

**BILTMORE HILLS
COMMUNITY
CENTER
RENOVATIONS**

2615 FITZGERALD DR
RALEIGH, NC 27610

CLIENT



222 W. HARGETT ST - 6TH FLOOR
RALEIGH, NC

DRAWING TITLE

FIRST FLOOR - LIGHTING

REVISIONS

NUMBER	DESCRIPTION	DATE

DRAWN BY

WHD

CHECKED BY

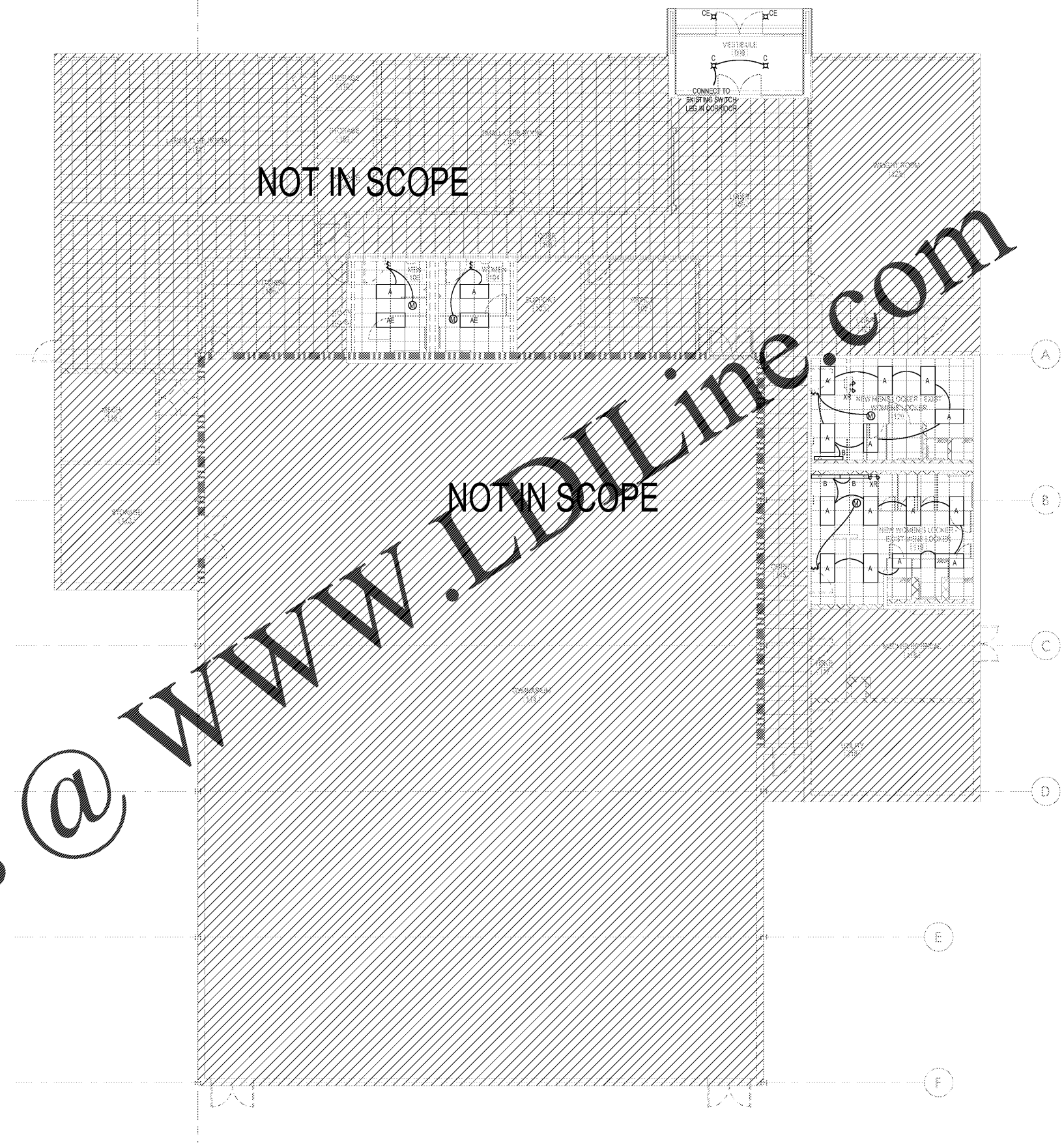
MDB

DATE ISSUED

8/13/18

E-104

4 OF 5



NORTH CAROLINA ENERGY CONSERVATION CODE

ELECTRICAL SYSTEM AND EQUIPMENT

PRESCRIPTIVE PERFORMANCE ENERGY COST BUDGET

PROVIDE A STANDARD RISER DIAGRAM WHICH INDICATES DESIGNATED POINTS FOR CHECK MEASUREMENTS.

PROVIDE A STANDARD PANEL SCHEDULE DESCRIPTION WHICH IDENTIFIES DIFFERENT END USES.

LIGHTING SCHEDULE:

LAMP TYPE AND REQUIRED IN FIXTURE: SEE LEGEND
 NUMBER OF LAMPS IN FIXTURE: SEE LEGEND
 BALLAST TYPE USED IN EACH FIXTURE: SEE LEGEND
 NUMBER OF BALLASTS IN FIXTURE: SEE LEGEND
 TOTAL WATTAGE PER FIXTURE: SEE LEGEND
 TOTAL INTERIOR WATTAGE SPECIFIED VS. ALLOWED: 1200 (W)

EQUIPMENT SCHEDULES WITH MOTORS (NOT USED WITH MECHANICAL EQUIPMENT):

MOTOR HORSE POWER: N/A
 NUMBER OF PHASES: N/A
 MOTOR EFFICIENCY: N/A
 MOTOR TYPE: N/A
 NUMBER OF RESTARTS: N/A

DESIGNER STATE:

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE.

LIGHTING NOTES

- THE CEILING IS NOT RATED.
- CONNECT EMERGENCY FIXTURES AND BATTERY FIXTURES AHEAD OF SWITCHES AND OCCUPANCY SENSORS, TYPICAL.
- CONTRACTOR SHALL COORDINATE EXACT LOCATION OF LIGHT FIXTURES W/ STRUCTURAL, MECHANICAL, AND SPRINKLER UNITS, DUCTWORK AND SPRINKLERS PRIOR TO ROUGH-IN.
- 1600 WATTS WERE REMOVED & 707 WATTS WERE ADDED BACK. NET LIGHTING LOAD WAS DECREASED BY 893 WATTS (3.2A@120V). CONNECT NEW LIGHTS TO EXISTING CIRCUITS CURRENTLY SERVING THE AREA. EC SHALL VERIFY THAT NO MORE THAN 1.92KVA OF LIGHTING LOAD IS CONNECTED TO ANY SINGLE 20A 120V CIRCUIT.

VOLTAGE DROP LEGEND

BRANCH CIRCUITS SHALL MAINTAIN 3% VOLTAGE DROP OR LESS PER ASHRAE 90.1. WHERE CIRCUIT LENGTHS EXCEED THE VALUES LISTED BELOW, UTILIZE THE NEXT LARGER SIZE CONDUCTORS (INCLUDING GROUND CONDUCTORS) FOR THAT CIRCUIT.

WIRE	120V	208V 1PH	277V
#12	75'	150'	180'
#10	105'	185'	250'
#8	120'	210'	280'

1 FINISHED FLOOR - LIGHTING
SCALE: 1/8" = 1'-0"

Lighting Fixture Schedule

Type Mark	Description	Manufacturer	Model	Voltage	Wattage
A	RECESSED LED 2X4 FIXTURE	LITHONIA	2BLT 40L ADP MVOLT G210 LP835	120 V	31.0 W
AE	RECESSED LED 2X4 EMERGENCY FIXTURE - PROVIDE WITH 90 MINUTE BATTERY BACK UP	LITHONIA	2BLT 40L ADP MVOLT G210 LP835 EL14L	120 V	31.0 W
B	4" STRIP LED LIGHT FIXTURE	LITHONIA	ZL1N L24 1500LM FST MVOLT 35K 80CRI	120 V	20.0 W
C	RECESSED LED CAN LIGHT	LITHONIA	LDN6 35/20 L06 AR LSS MVOLT G210	120 V	23.0 W
CE	RECESSED LED CAN EMERGENCY LIGHT - PROVIDE WITH 90 MINUTE BATTERY BACK UP	LITHONIA	LDN6 35/20 L06 AR LSS MVOLT G210 EL14	120 V	23.0 W