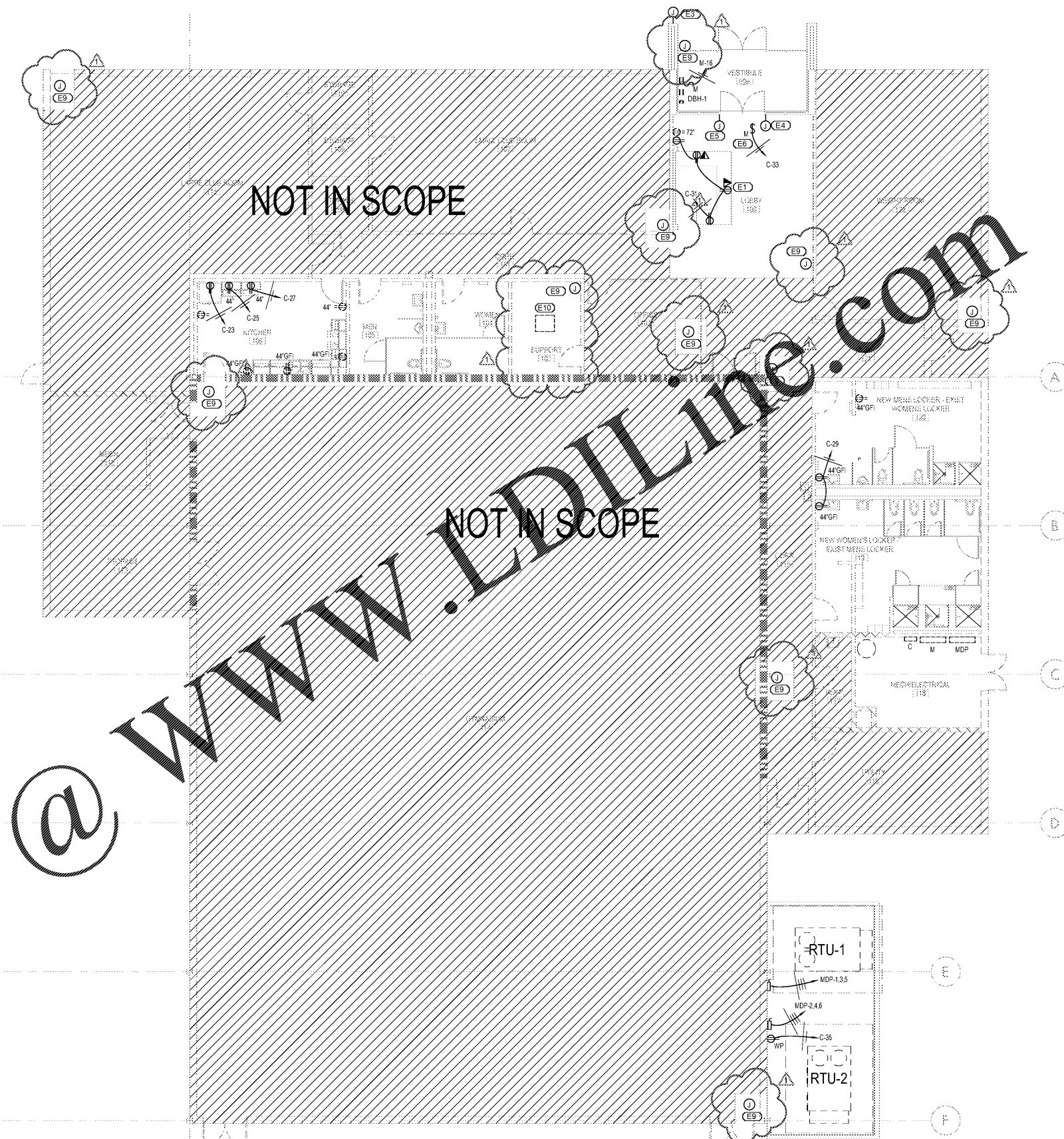


Order Plans @ [www.LDILine.com](http://www.LDILine.com)



**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'  | 135'     | 180' |
| #10  | 105' | 185'     | 250' |
| #8   | 120' | 210'     | 280' |

1 FIRST FLOOR - POWER  
SCALE: 1/8" = 1'-0"

**ELECTRICAL KEYNOTE LEGEND**

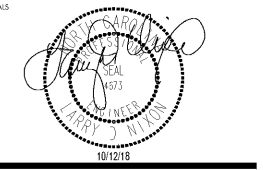
| KEY VALUE | KEYNOTE TEXT   |
|-----------|--|
| E1        | COORDINATE MOUNTING OF DUPLEX/DATA OUTLETS IN MILLWORK AS REQUIRED WITH MILLWORK VENDOR.   |
| E3        | PROVIDE JUNCTION BOX AND 3/4" CONDUIT WITH PULL WIRE TO ACCESSIBLE POINT ABOVE LOBBY CEILING FOR ADA DOOR CONTROL.   |
| E4        | PROVIDE 3/4" CONDUIT WITH PULL WIRE TO ACCESSIBLE POINT ABOVE LOBBY CEILING FOR ADA DOOR CONTROL.  |
| E5        | PROVIDE 3/4" CONDUIT WITH PULL WIRE TO ACCESSIBLE POINT ABOVE LOBBY CEILING FOR ADA DOOR LOCKING CUTOFF SWITCH. PROVIDE POWER RELAY IF REQUIRED. COORDINATE WITH EQUIPMENT SUPPLIER.             |
| E6        | CONNECT ADA DOOR POWER AS REQUIRED. COORDINATE WITH EQUIPMENT SUPPLIER.  |
| E9        | JUNCTION BOX IN CEILING FOR CAMERA EQUIPMENT/EQUIPMENT PROVIDED BY OTHERS). EC SHALL RUN 1" CONDUIT (WITH PULL STRING) TO SECURITY RACK IN SUPPORT 103. VERIFY EXACT LOCATION PRIOR TO ROUGH IN. |
| E10       | IT RACK PROVIDED BY GC. INSTALLED BY GC.<br>IT RACK BASIS OF DESIGN: FLOOR MOUNT TWO POST OPEN FRAME RACK HOFFMAN PENTAIR - EDR19FM38U   |



**HAGERSMITH DESIGN PA**  
ARCHITECTURE  
LANDSCAPE ARCHITECTURE  
PLANNING  
INTERIOR DESIGN

PO BOX 1308  
300 SOUTH DAWSON STREET  
RALEIGH, NORTH CAROLINA 27602  
FAX 919.828.4050  
www.hagersmith.com

919.821.5547 © Copyright 2014



ASSOCIATES / CONSULTANTS



ENGINEERING FIRM NUMBER: C-0110  
BASS, NIXON & KENNEDY, INC.  
CONSULTING ENGINEERS

6310 CHAPEL HILL ROAD, SUITE 250  
RALEIGH, NC 27607  
PHONE: 919.851.4422  
FAX: 919.851.8968

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 - POWER**

REVISIONS

| NUMBER | DESCRIPTION       | DATE     |
|--------|-------------------|----------|
| 1      | BID SET REVISIONS | 10/12/18 |
|        |                   |          |
|        |                   |          |
|        |                   |          |

DRAWN BY: WHD  
CHECKED BY: MDB  
DATE ISSUED: 8/13/18

**E-102**  
2 OF 5