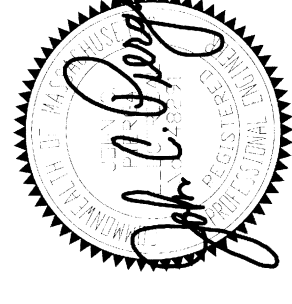




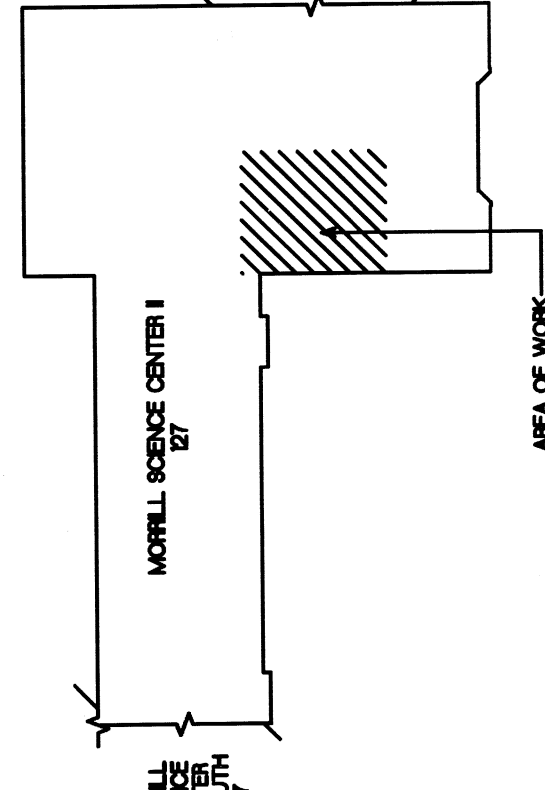
**BLW Engineers, Inc.**  
 311 Great Road, Post Office Box 1551  
 Littleton, Massachusetts 01460  
 T: 978.486.4301 F: 978.428.0067  
 www.blwengineers.com

11/14/09 10:00 AM



LEGEND

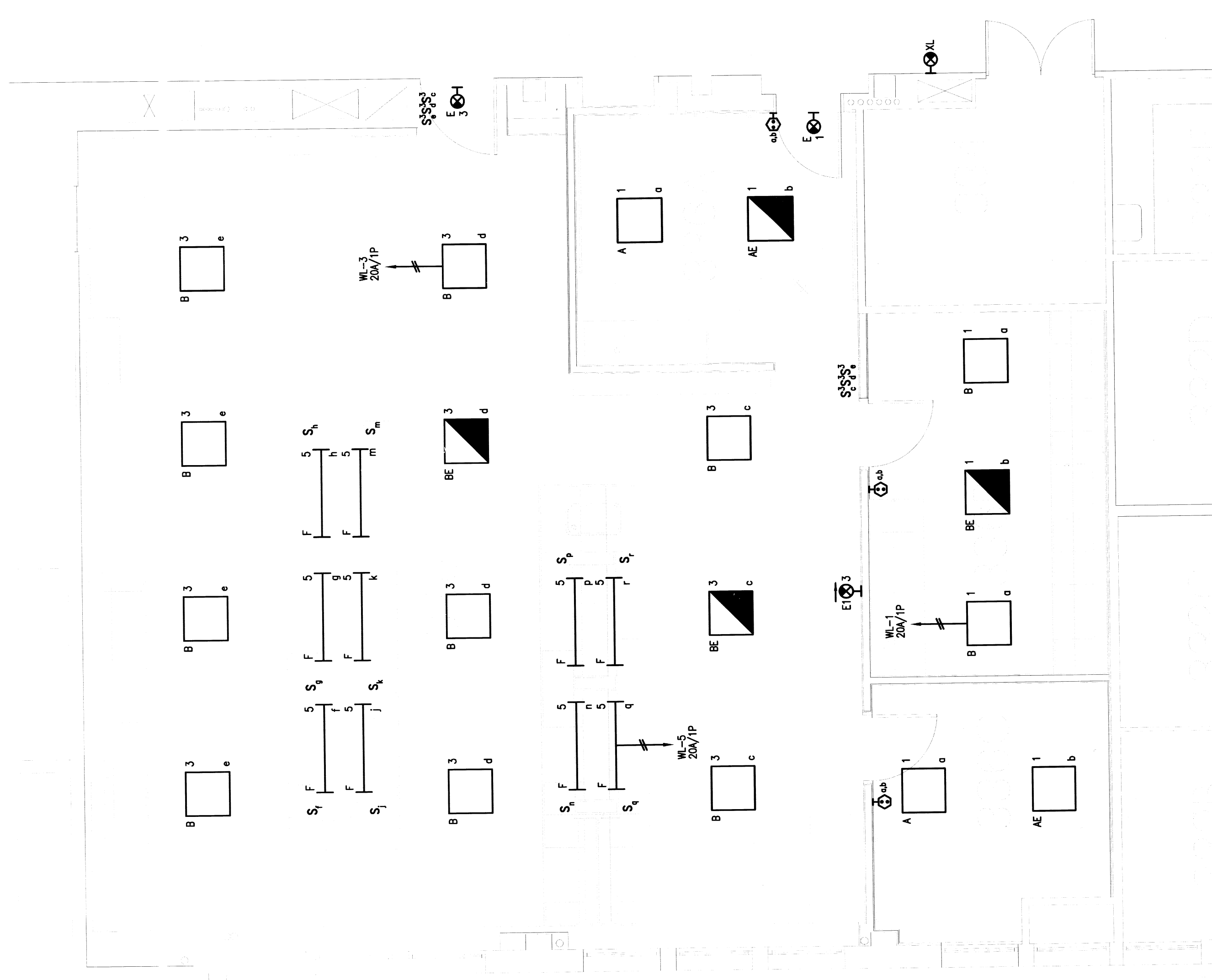
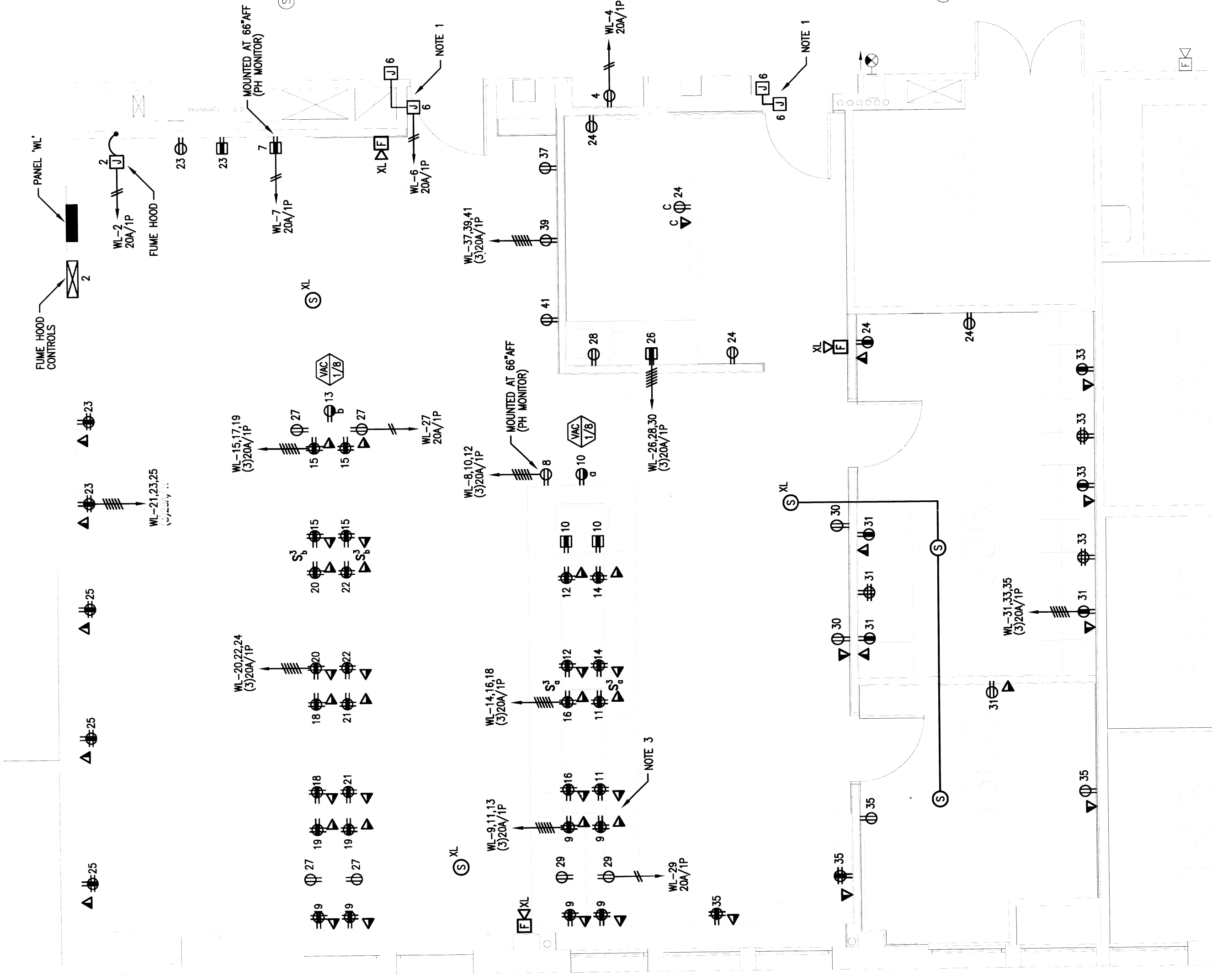
KEY PLAN (NOT TO SCALE)



REV. NO.	DESCRIPTION	BY	APPD	DATE

<b>BLW ENGINEERS, INC.</b> 71 HOPE AVENUE WORCESTER, MA 01603 TEL: (508) 758-1334 FAX: (508) 758-4861					
UNIVERSITY OF MASSACHUSETTS AMHERST MORRILL II ROOMS 336B/338B RENOVATIONS					
<b>ELECTRICAL</b> THIRD FLOOR NEW WORK PLANS					
BY	DATE	APPD	DATE	WORK ORDER NO.	PROJ.-CONTRACT NO.
DRN	DKK	1/19/10	BD BET	09-00759	UMMA 11-22
TRD	DKK	1/19/10	BD BET	SCALE	AS NOTED
CHK	JSP	1/19/10	BD BET	DRAWING NUMBER	
DES	JSP	1/19/10	BD BET	D-A-127-09-00759- E103	



**2 ELECTRICAL - Third Floor Power & Fire Alarm Plan**  
 SCALE: 1/4"= 1'-0"

- NOTES:
- ELECTRICAL CONTRACTOR SHALL PROVIDE POWER FOR DOOR CONTACTS. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH ARCHITECT AND OWNER'S REPRESENTATIVE.
  - CONNECT NEW SMOKE DETECTOR TO EXISTING SMOKE DETECTOR INDICATING CIRCUIT. ELECTRICAL CONTRACTOR SHALL UTILIZE (1) #18 TWISTED SHIELDED RFLP CABLE.
  - ELECTRICAL CONTRACTOR SHALL UTILIZE "OLD WORK" STYLE BACKBOXES FOR RECEPTACLE AND DATA LOCATED IN LAB BENCHES.

**1 ELECTRICAL - Third Floor Lighting Plan**  
 SCALE: 1/4"= 1'-0"

- NOTES:
- EXISTING TEL/DATA RACK IN ROOM 321 TO BE USED FOR NEW TEL/DATA WIRING. REFER TO ARCHITECTURAL PLANS FOR LOCATION OF ROOM 321.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE (2) ALLED TELESIS AT-8000S/48-10 ETHERNET SWITCHES (48-PORT PATCH PANELS) AND INSTALL IN EXISTING RACK.
  - PROVIDE INCH BUSING.
  - PROVIDE J-HOOKS FOR CABLE INSTALLATION DOWN CORRIDOR TO ROOM 321.
  - FINAL TERMINATIONS OF CABLES IN PATCH PANELS BY OTHERS.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE A 4-PORT FACEPLATE/OUTLET AS DETAILED ON DRAWING EX02. PROVIDE (2) RJ-11 PORTS AND (1) RJ-45 TELEPHONE PORT.
  - 1-PAIR OF THE CAT-5e CABLE SHALL BE TERMINATED ON EACH RJ-11 JACK, 2-PAIRS SHALL BE UNUSED. THE OTHER 4-PAIR CAT-5e CABLE SHALL BE TERMINATED ON THE RJ-45 JACK.
  - REFER TO FLOOR PLANS FOR EXACT QUANTITIES OF TEL/DATA OUTLETS.

**TELE/DATA RISER DIAGRAM**  
 N.T.S.

- NOTES:
- EXISTING TEL/DATA RACK IN ROOM 321 TO BE USED FOR NEW TEL/DATA WIRING. REFER TO ARCHITECTURAL PLANS FOR LOCATION OF ROOM 321.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE (2) ALLED TELESIS AT-8000S/48-10 ETHERNET SWITCHES (48-PORT PATCH PANELS) AND INSTALL IN EXISTING RACK.
  - PROVIDE INCH BUSING.
  - PROVIDE J-HOOKS FOR CABLE INSTALLATION DOWN CORRIDOR TO ROOM 321.
  - FINAL TERMINATIONS OF CABLES IN PATCH PANELS BY OTHERS.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE A 4-PORT FACEPLATE/OUTLET AS DETAILED ON DRAWING EX02. PROVIDE (2) RJ-11 PORTS AND (1) RJ-45 TELEPHONE PORT.
  - 1-PAIR OF THE CAT-5e CABLE SHALL BE TERMINATED ON EACH RJ-11 JACK, 2-PAIRS SHALL BE UNUSED. THE OTHER 4-PAIR CAT-5e CABLE SHALL BE TERMINATED ON THE RJ-45 JACK.
  - REFER TO FLOOR PLANS FOR EXACT QUANTITIES OF TEL/DATA OUTLETS.

