



RETURN

ISSUED FOR
CONSTRUCTION
20 MAR 2013

Local Electrical Authority of Chicago
1155 North Dearborn Street, Suite 200
Chicago, IL 60610
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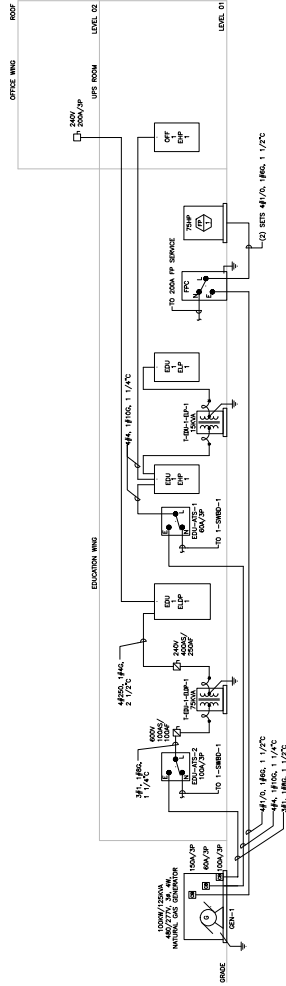
Revisions

- ISSUED FOR CONSTRUCTION 20M13
- ISSUED FOR CONSTRUCTION 20M13
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Sheet Information	
Job Number	1155NORTHDEARBORN
Client	AMERICAN COLLEGE OF CHEST PHYSICIANS
Designer	PERKINS+WILL
Checker	PERKINS+WILL
Approver	PERKINS+WILL

Title
ELECTRICAL
EMERGENCY RISER
DIAGRAM

Sheet
E00-03



1ELECTRICAL EMERGENCY RISER DIAGRAM

- NOTES:
- REFER TO ELECTRICAL SYMBOL LIST AND GENERAL NOTES ON SHEETS E00-00 AND E00-01.
 - ELECTRICAL CONNECTION MANUFACTURER FOR MAKE OF EQUIPMENT IS SHOWN AS SHOWN IN E00-01.
 - PROVIDE THE DISTRIBUTION OPERATOR AT MAIN BUILDING ENTRANCE WIND TO CONNECTIONS TO THE EMERGENCY RISER SYSTEM. THE RISER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND THE NATIONAL ELECTRICAL CODE (NEC).
 - PROVIDE THE RISER SYSTEM AND WINDS IN EMERGENCY SYSTEM SUCH THAT E00-01-2-2 CONNECTIONS TO THE RISER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND THE NATIONAL ELECTRICAL CODE (NEC).

QTY	DESCRIPTION	DEM	CON	LOAD	CONDUIT	SIZE
1	WIRE 4	100	100	100	100	100
2	WIRE 4	100	100	100	100	100
3	WIRE 4	100	100	100	100	100
4	WIRE 4	100	100	100	100	100
5	WIRE 4	100	100	100	100	100
6	WIRE 4	100	100	100	100	100
7	WIRE 4	100	100	100	100	100
8	WIRE 4	100	100	100	100	100
9	WIRE 4	100	100	100	100	100
10	WIRE 4	100	100	100	100	100
11	TOTAL	892	108			

AUTOMATIC TRANSFER SWITCH SCHEDULE									
NAME	AMP	POLES	VOLTAGE	MDL	SER	TYPE	LOAD	REMARKS	NO.
EDU-1-ET-1	100	3	480/277	13	Y	Y	120	EDU-1-ET-1	100
OFF-1-ET-1	100	3	480	20	Y	Y	120	OFF-1-ET-1	100
ROOF-1-ET-1	100	3	480	20	Y	Y	120	ROOF-1-ET-1	100

TRANSFORMER SCHEDULE										
NAME	KVA	RATING	TYPE	PRIMARY	VOLTAGE	CONNECTION	SECONDARY	VOLTAGE	CONNECTION	REMARKS
EDU-1-TR-1	75	DM	480	DELTA	208/120	WYE	120/208	WYE	120/208	120V, 1/2" C

BRANCH PANELBOARD SCHEDULE									
NUMBER	STATUS	VOLTAGE	BUS	POLES	OC	REMARKS			
EDU-1-EP-1	NEW	480/277	125	120/2	42	(38) 20/10 (20) 5/1 (1) 8/3			
OFF-1-EP-1	NEW	480/277	125	60/3	42	(4) 20/1			
ROOF-1-EP-1	NEW	480/277	125	60/3	42	(4) 20/1			



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Scale of Sheet: Not Applicable as of 03/20/13
Scale of Plan: Not Applicable as of 03/20/13
Scale of Elevation: Not Applicable as of 03/20/13
Scale of Section: Not Applicable as of 03/20/13

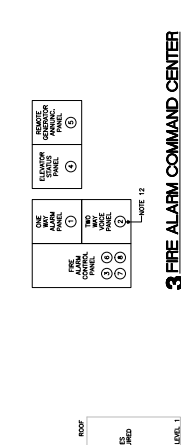
- 1. ROOM OR CONSTRUCTION DIMENSIONS
- 2. FINISH
- 3. MATERIALS
- 4. SYMBOLS AND ABBREVIATIONS
- 5. ROOM OR CONSTRUCTION NUMBER
- 6. DIMENSIONS
- 7. ROOM OR CONSTRUCTION NAME
- 8. ROOM OR CONSTRUCTION TYPE

Sheet Information
Job Number
Client
Address
Scale
Revision

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Revision

ELECTRICAL DETAILS

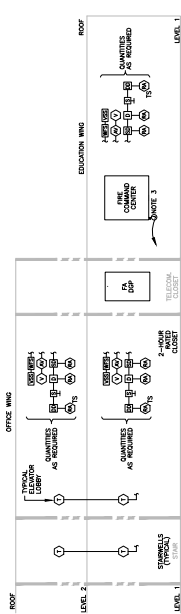
Sheet E00-04



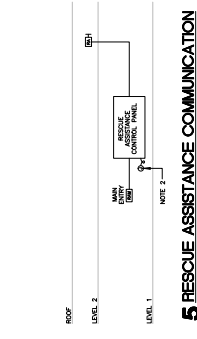
3 FIRE ALARM COMMAND CENTER

- FIRE ALARM SYSTEM NOTES:**
1. PROVIDE DATA GATHERING PANEL (DGP) AND NOTIFICATION APPLIANCE CIRCUIT PANEL (NACP).
 2. PROVIDE 120V EMERGENCY POWER CONNECTIONS TO FIRE ALARM SYSTEM PANELS.
 3. PROVIDE 2" CONDUIT FROM THE FIRE ALARM COMMAND CENTER ELEVATOR STATUS PANELS TO ELEVATOR SHUNT FOR ELEVATOR STATUS.
 4. PROVIDE EMERGENCY POWER CONNECTIONS TO THE BUILDING AUTOMATION SYSTEM FOR SECURITY CONNECTION.
 5. PROVIDE EMERGENCY POWER CONNECTIONS TO THE BUILDING AUTOMATION SYSTEM FOR SECURITY CONNECTION.
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 11. ALL WIRING IS TO BE LOOPED IN AND OUT OF EACH DEVICE. 1-WIRING IS NOT PERMITTED.
 12. THE WIRING SHALL BE IDENTIFIED BY COLOR AND NUMBER. PROVIDE IDENTIFICATION OF WIRING AT EACH PANEL.
 13. THE WIRING SHALL BE IDENTIFIED BY COLOR AND NUMBER. PROVIDE IDENTIFICATION OF WIRING AT EACH PANEL.
 14. REFER TO THE ALARM SCHEDULES FOR ADDITIONAL FIRE ALARM SYSTEM DETAILS.
 15. AS PART OF THE SHOP DRAWING SUBMITTAL, THE FIRE ALARM CONTRACTOR SHALL SUBMIT AN "ALARM" AND "TRUCKER" SCHEDULE OF OPERATIONS MANUAL.
 16. PROVIDE CONNECTIONS TO A 24-HR., UL LISTED CENTRAL STATION.

2 ELECTRICAL FIRE ALARM RISER DIAGRAM

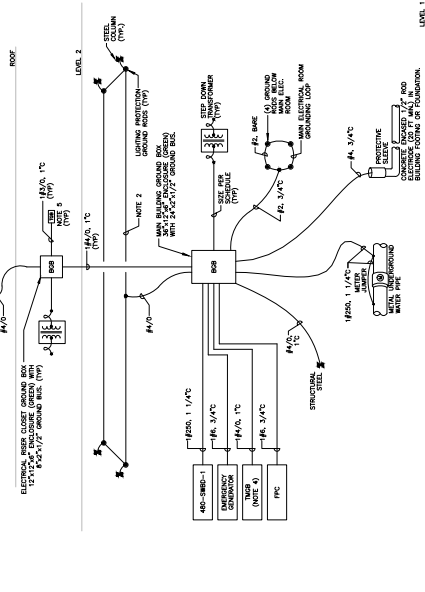


- FIRE ALARM SYSTEM NOTES:**
1. REFER TO ELECTRICAL SYMBOL SCHEDULE FOR ADDITIONAL FIRE ALARM SYSTEM SYMBOLS.
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 14. REFER TO THE ALARM SCHEDULES FOR ADDITIONAL FIRE ALARM SYSTEM DETAILS.
 15. AS PART OF THE SHOP DRAWING SUBMITTAL, THE FIRE ALARM CONTRACTOR SHALL SUBMIT AN "ALARM" AND "TRUCKER" SCHEDULE OF OPERATIONS MANUAL.
 16. PROVIDE CONNECTIONS TO A 24-HR., UL LISTED CENTRAL STATION.



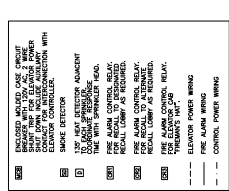
5 RESCUE ASSISTANCE COMMUNICATION SYSTEM RISER DIAGRAM

- RESCUE ASSISTANCE COMMUNICATION SYSTEM RISER DIAGRAM NOTES:**
1. REFER TO ELECTRICAL SYMBOL SCHEDULE FOR ADDITIONAL RESCUE ASSISTANCE COMMUNICATION SYSTEM SYMBOLS.
 2. PROVIDE DATA GATHERING PANEL (DGP) AND NOTIFICATION APPLIANCE CIRCUIT PANEL (NACP).
 3. PROVIDE 120V EMERGENCY POWER CONNECTIONS TO RESCUE ASSISTANCE COMMUNICATION SYSTEM PANELS.
 4. PROVIDE 2" CONDUIT FROM THE RESCUE ASSISTANCE COMMUNICATION SYSTEM PANELS TO ELEVATOR SHUNT FOR ELEVATOR STATUS.
 5. PROVIDE EMERGENCY POWER CONNECTIONS TO THE BUILDING AUTOMATION SYSTEM FOR SECURITY CONNECTION.
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 14. REFER TO THE ALARM SCHEDULES FOR ADDITIONAL RESCUE ASSISTANCE COMMUNICATION SYSTEM DETAILS.
 15. AS PART OF THE SHOP DRAWING SUBMITTAL, THE RESCUE ASSISTANCE COMMUNICATION CONTRACTOR SHALL SUBMIT AN "ALARM" AND "TRUCKER" SCHEDULE OF OPERATIONS MANUAL.
 16. PROVIDE CONNECTIONS TO A 24-HR., UL LISTED CENTRAL STATION.



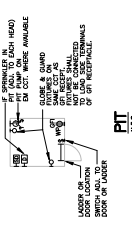
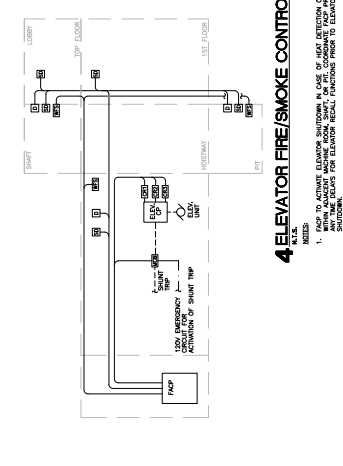
1 ELECTRICAL SERVICE GROUNDING RISER DIAGRAM

- ELECTRICAL SERVICE GROUNDING RISER DIAGRAM NOTES:**
1. REFER TO ELECTRICAL SYMBOL SCHEDULE FOR ADDITIONAL ELECTRICAL SERVICE GROUNDING RISER DIAGRAM SYMBOLS.
 2. PROVIDE DATA GATHERING PANEL (DGP) AND NOTIFICATION APPLIANCE CIRCUIT PANEL (NACP).
 3. PROVIDE 120V EMERGENCY POWER CONNECTIONS TO ELECTRICAL SERVICE GROUNDING RISER DIAGRAM PANELS.
 4. PROVIDE 2" CONDUIT FROM THE ELECTRICAL SERVICE GROUNDING RISER DIAGRAM PANELS TO ELEVATOR SHUNT FOR ELEVATOR STATUS.
 5. PROVIDE EMERGENCY POWER CONNECTIONS TO THE BUILDING AUTOMATION SYSTEM FOR SECURITY CONNECTION.
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 14. REFER TO THE ALARM SCHEDULES FOR ADDITIONAL ELECTRICAL SERVICE GROUNDING RISER DIAGRAM DETAILS.
 15. AS PART OF THE SHOP DRAWING SUBMITTAL, THE ELECTRICAL SERVICE GROUNDING RISER DIAGRAM CONTRACTOR SHALL SUBMIT AN "ALARM" AND "TRUCKER" SCHEDULE OF OPERATIONS MANUAL.
 16. PROVIDE CONNECTIONS TO A 24-HR., UL LISTED CENTRAL STATION.

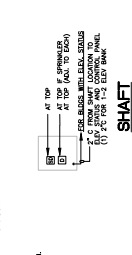


4 ELEVATOR FIRE/SMOKE CONTROL DIAGRAM

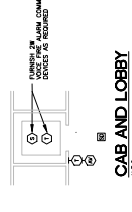
- ELEVATOR FIRE/SMOKE CONTROL DIAGRAM NOTES:**
1. REFER TO ELECTRICAL SYMBOL SCHEDULE FOR ADDITIONAL ELEVATOR FIRE/SMOKE CONTROL DIAGRAM SYMBOLS.
 2. PROVIDE DATA GATHERING PANEL (DGP) AND NOTIFICATION APPLIANCE CIRCUIT PANEL (NACP).
 3. PROVIDE 120V EMERGENCY POWER CONNECTIONS TO ELEVATOR FIRE/SMOKE CONTROL DIAGRAM PANELS.
 4. PROVIDE 2" CONDUIT FROM THE ELEVATOR FIRE/SMOKE CONTROL DIAGRAM PANELS TO ELEVATOR SHUNT FOR ELEVATOR STATUS.
 5. PROVIDE EMERGENCY POWER CONNECTIONS TO THE BUILDING AUTOMATION SYSTEM FOR SECURITY CONNECTION.
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 13. THE WIRING SHALL BE IDENTIFIED BY COLOR AND NUMBER. PROVIDE IDENTIFICATION OF WIRING AT EACH PANEL.
 14. REFER TO THE ALARM SCHEDULES FOR ADDITIONAL ELEVATOR FIRE/SMOKE CONTROL DIAGRAM DETAILS.
 15. AS PART OF THE SHOP DRAWING SUBMITTAL, THE ELEVATOR FIRE/SMOKE CONTROL DIAGRAM CONTRACTOR SHALL SUBMIT AN "ALARM" AND "TRUCKER" SCHEDULE OF OPERATIONS MANUAL.
 16. PROVIDE CONNECTIONS TO A 24-HR., UL LISTED CENTRAL STATION.



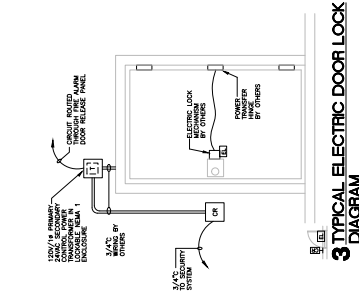
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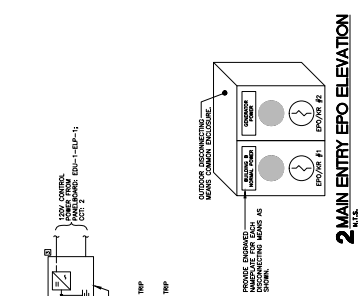


CAB AND LOBBY



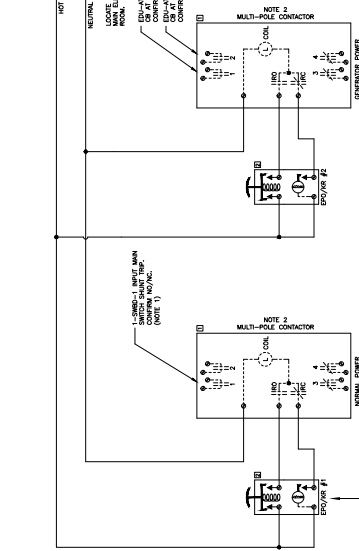
3 TYPICAL ELECTRIC DOOR LOCK DIAGRAM

- 1. DETAIL TO BE SUBMITTED WITH ARCHITECTURAL CONTRACT DOCUMENTS AS REQUIRED FROM ARCHITECT.
- 2. PROVIDE MANUFACTURER'S SPECIFICATIONS.



2 MAIN ENTRY EPO ELEVATION

- 1. DETAIL TO BE SUBMITTED WITH ARCHITECTURAL CONTRACT DOCUMENTS AS REQUIRED FROM ARCHITECT.
- 2. PROVIDE MANUFACTURER'S SPECIFICATIONS.



1 MAIN ENTRY EMERGENCY POWER OFF CONTROL DIAGRAM

- 1. DETAIL TO BE SUBMITTED WITH ARCHITECTURAL CONTRACT DOCUMENTS AS REQUIRED FROM ARCHITECT.
- 2. PROVIDE MANUFACTURER'S SPECIFICATIONS.

ENGINEERS LIGHTING FIXTURE SCHEDULE table with columns for SYMBOL, DESCRIPTION, MANUFACTURER, MODEL NUMBER, and NOTES. Includes sections for OCCUPANCY SENSOR LEGEND and LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM.

1 AUDITORIUM LIGHTING CONTROL FISER DIAGRAM

REVISIONS

- ISSUED FOR CONSTRUCTION 20 MAR 2013
- ISSUED FOR PERMIT 20 MAR 2013
- ISSUED FOR PERMIT 20 MAR 2013
- ISSUED FOR PERMIT 20 MAR 2013

Local Electrical Code Reference: IFC-C
International Code Reference: IFC-C
International Code Reference: IFC-C



NOTES:

1. LIGHTING CONTROL SYSTEM SHALL BE SUPPLEMENTARY TO THE REQUIREMENTS OF THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. COORDINATE WIRING REQUIREMENTS WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. COORDINATE PROGRAMMING OF LIGHTING CONTROL SYSTEM WITH LIGHTING DESIGNER.
4. PROVIDE A FUSE AND A DISCONNECT SWITCH FOR EACH LIGHTING CONTROL CIRCUIT. THE DISCONNECT SWITCH SHALL BE LOCATED WITHIN A MINIMUM OF 2 HOURS BY PRESSING ANY BUTTON ON ANY WALLSWITCH.

GENERAL NOTES:

1. WIRING CONTROL LINE (SEE BELOW)
2. WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE ILLINOIS ELECTRICAL CODE (IEC).
3. WIRING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE ILLINOIS ELECTRICAL CODE (IEC).
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7. WIRING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

WIRING CONTROL LINE (SEE BELOW)

The wiring control line shall be installed in accordance with the following requirements:

- The wiring control line shall be installed in a conduit or raceway.
- The wiring control line shall be installed in a location protected from physical damage.
- The wiring control line shall be installed in a location protected from fire.
- The wiring control line shall be installed in a location protected from moisture.
- The wiring control line shall be installed in a location protected from corrosion.
- The wiring control line shall be installed in a location protected from vibration.
- The wiring control line shall be installed in a location protected from noise.
- The wiring control line shall be installed in a location protected from electromagnetic interference.
- The wiring control line shall be installed in a location protected from radio frequency interference.

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Chicago, IL 60610
Tel: 312.345.5000
Fax: 312.345.5000

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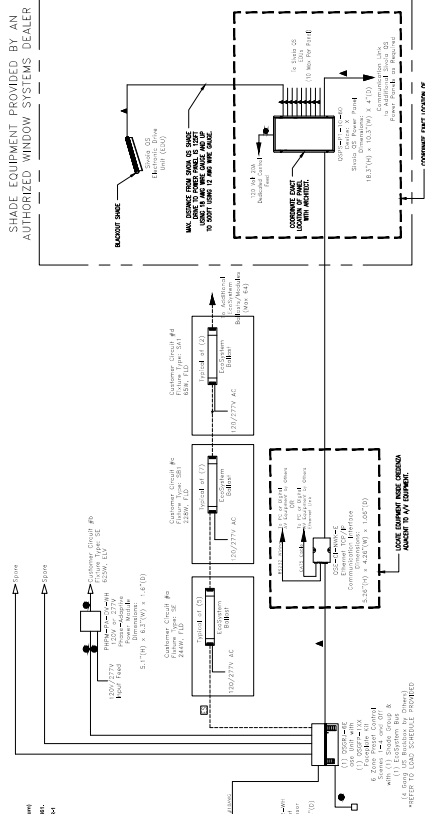
Sheet Information
Sheet Number: E00-08
Sheet Title: ELECTRICAL DETAILS
Project Name: NEW HEADQUARTERS BUILDING
Project Location: CHESTNUT, IL
Project Date: 2013
Project Status: ISSUED FOR CONSTRUCTION
Project Manager: [Name]
Project Engineer: [Name]
Project Designer: [Name]
Project Checker: [Name]
Project Approver: [Name]

**ELECTRICAL
DETAILS**

Sheet

E00-08

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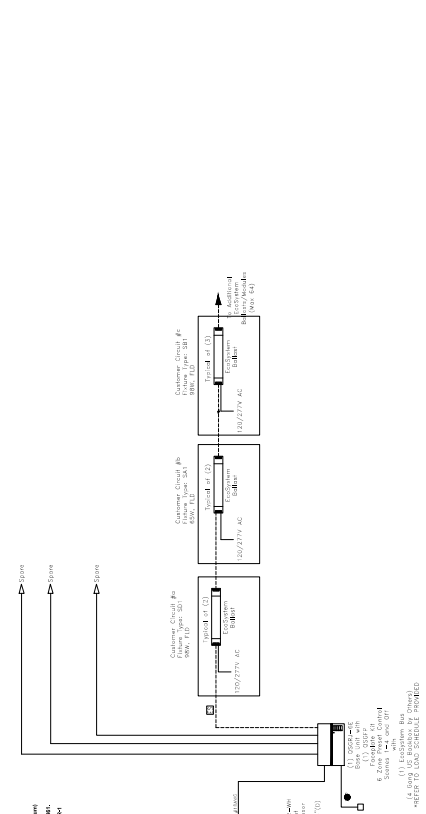
1 CONFERENCE ROOM 276 LIGHTING CONTROL RISER DIAGRAM

NOTES:

1. LIGHTING CONTROL SYSTEM SHALL BE UL-LISTED AND COMPLY WITH THE APPLICABLE CODE REQUIREMENTS.
2. PROVIDE OCCUPANCY SENSORS WITH OCCUPANCY SENSING CAPABILITY.
3. PROVIDE PROGRAMMING OF LIGHTING CONTROL SYSTEM WITH LIGHTING DESIGNER.
4. PROVIDE AUTOMATIC SHUTOFF OF LIGHTING IN OCCUPANCY SENSOR.

SEE SHEET E00-09 FOR LOCAL EQUIPMENT NOISE REDUCTION DEVICE TO TV EQUIPMENT.

SEE SHEET E00-07 FOR LOCAL EQUIPMENT NOISE REDUCTION DEVICE TO TV EQUIPMENT.



2 VIDEO CONFERENCE ROOM 271 LIGHTING CONTROL RISER DIAGRAM

NOTES:

1. LIGHTING CONTROL SYSTEM SHALL BE UL-LISTED AND COMPLY WITH THE APPLICABLE CODE REQUIREMENTS.
2. PROVIDE OCCUPANCY SENSORS WITH OCCUPANCY SENSING CAPABILITY.
3. PROVIDE PROGRAMMING OF LIGHTING CONTROL SYSTEM WITH LIGHTING DESIGNER.
4. PROVIDE AUTOMATIC SHUTOFF OF LIGHTING IN OCCUPANCY SENSOR.

SEE SHEET E00-09 FOR LOCAL EQUIPMENT NOISE REDUCTION DEVICE TO TV EQUIPMENT.

SEE SHEET E00-07 FOR LOCAL EQUIPMENT NOISE REDUCTION DEVICE TO TV EQUIPMENT.

SYMBOLS:

□	100A Breaker
▲	100A Bus
▲	Lighting Control Panel (LCP)
▲	Lighting Control Unit (LCU)
▲	Local Equipment Noise Reduction Device
▲	Occupancy Sensor
▲	Occupancy Sensing Capability
▲	Automatic Shutoff of Lighting

Control Circuit #	Description	Panel	Breaker #	Breaker Type	Rating (Amps)	Panel Type	Panel Rating (Amps)	Load Type
1	LOCAL EQUIPMENT NOISE REDUCTION DEVICE	100	1	100A	100	100	100	100
2	LOCAL EQUIPMENT NOISE REDUCTION DEVICE	100	2	100A	100	100	100	100
3	LOCAL EQUIPMENT NOISE REDUCTION DEVICE	100	3	100A	100	100	100	100
4	LOCAL EQUIPMENT NOISE REDUCTION DEVICE	100	4	100A	100	100	100	100
5	LOCAL EQUIPMENT NOISE REDUCTION DEVICE	100	5	100A	100	100	100	100
6	LOCAL EQUIPMENT NOISE REDUCTION DEVICE	100	6	100A	100	100	100	100
TOTAL:								0

NOTE: (1) Contractor shall provide materials necessary for each circuit.
(2) Contractor to provide all materials and labor for each circuit.

SYMBOLS:

□	100A Breaker
▲	100A Bus
▲	Lighting Control Panel (LCP)
▲	Lighting Control Unit (LCU)
▲	Local Equipment Noise Reduction Device
▲	Occupancy Sensor
▲	Occupancy Sensing Capability
▲	Automatic Shutoff of Lighting

Control Circuit #	Description	Panel	Breaker #	Breaker Type	Rating (Amps)	Panel Type	Panel Rating (Amps)	Load Type
1	LOCAL EQUIPMENT NOISE REDUCTION DEVICE	100	1	100A	100	100	100	100
2	LOCAL EQUIPMENT NOISE REDUCTION DEVICE	100	2	100A	100	100	100	100
3	LOCAL EQUIPMENT NOISE REDUCTION DEVICE	100	3	100A	100	100	100	100
4	LOCAL EQUIPMENT NOISE REDUCTION DEVICE	100	4	100A	100	100	100	100
5	LOCAL EQUIPMENT NOISE REDUCTION DEVICE	100	5	100A	100	100	100	100
6	LOCAL EQUIPMENT NOISE REDUCTION DEVICE	100	6	100A	100	100	100	100
TOTAL:								0

NOTE: (1) Contractor shall provide materials necessary for each circuit.
(2) Contractor to provide all materials and labor for each circuit.

**NEW
HEADQUARTERS
BUILDING**

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Chest Physicians
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**ISSUED FOR
CONSTRUCTION**
20 MAR 2013

Lead EIT: David H. Johnson, P.E.
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Revisions:

NO.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION	20 MAR 2013
2	REVISED FOR PERKINS+WILL	15 FEB 2013
3	REVISED FOR PERKINS+WILL	15 FEB 2013
4	REVISED FOR PERKINS+WILL	15 FEB 2013
5	REVISED FOR PERKINS+WILL	15 FEB 2013
6	REVISED FOR PERKINS+WILL	15 FEB 2013
7	REVISED FOR PERKINS+WILL	15 FEB 2013
8	REVISED FOR PERKINS+WILL	15 FEB 2013
9	REVISED FOR PERKINS+WILL	15 FEB 2013
10	REVISED FOR PERKINS+WILL	15 FEB 2013

Sheet Information
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Drawing Title: ELECTRICAL
Drawing Number: E00-09
Revision: 1

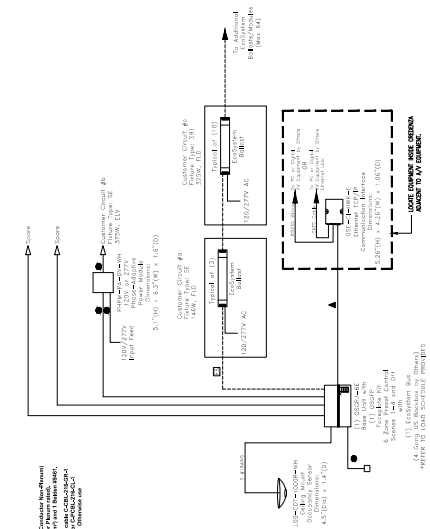
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Sheet Information
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Drawing Number: E00-09
Revision: 1

Electrical
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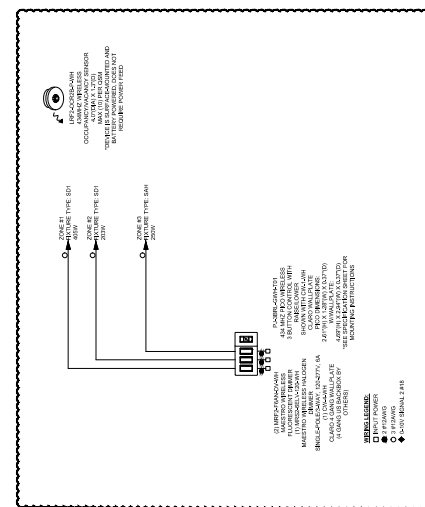
Sheet Information
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Drawing Title: ELECTRICAL
Drawing Number: E00-09
Revision: 1

Electrical
E00-09



1 CONFERENCE ROOM 168 LIGHTING CONTROL RISER DIAGRAM

NOTES:
1. LIGHTING CONTROL SYSTEM SHALL BE LISTED .
2. COORDINATE WIRING REQUIREMENTS WITH MANUFACTURER.
3. COORDINATE PROGRAMMING OF LIGHTING CONTROL SYSTEM WITH LIGHTING DESIGNER.
4. PROVIDE AUTOMATIC SHUTOFF OF LIGHTING IN OCCUPANCY SENSOR.



2 TYPICAL TRAINING ROOM LIGHTING CONTROL RISER DIAGRAM

NOTES:
1. LIGHTING CONTROL SYSTEM SHALL BE LISTED .
2. COORDINATE WIRING REQUIREMENTS WITH MANUFACTURER.
3. COORDINATE PROGRAMMING OF LIGHTING CONTROL SYSTEM WITH LIGHTING DESIGNER.
4. PROVIDE AUTOMATIC SHUTOFF OF LIGHTING IN OCCUPANCY SENSOR.

Control Circuit #	Control Device #	Description	Qty	Rating Type	Rating Value	Rating Code	Load Type
1	1	120V/200V TRANSFORMER	1	SE	30	100	100
2	1	120V/200V TRANSFORMER	1	SE	30	100	100
3	1	120V/200V TRANSFORMER	1	SE	30	100	100
4	1	120V/200V TRANSFORMER	1	SE	30	100	100
5	1	120V/200V TRANSFORMER	1	SE	30	100	100
6	1	120V/200V TRANSFORMER	1	SE	30	100	100
7	1	120V/200V TRANSFORMER	1	SE	30	100	100
8	1	120V/200V TRANSFORMER	1	SE	30	100	100
TOTAL:						300	300

NOTE:
1) Coordinate with manufacturer for load calculations.
2) Coordinate to provide all instructions and power requirements as required.

Control Circuit #	Control Device #	Description	Qty	Rating Type	Rating Value	Rating Code	Load Type
1	1	120V/200V TRANSFORMER	1	SE	30	100	100
2	1	120V/200V TRANSFORMER	1	SE	30	100	100
3	1	120V/200V TRANSFORMER	1	SE	30	100	100
4	1	120V/200V TRANSFORMER	1	SE	30	100	100
5	1	120V/200V TRANSFORMER	1	SE	30	100	100
6	1	120V/200V TRANSFORMER	1	SE	30	100	100
7	1	120V/200V TRANSFORMER	1	SE	30	100	100
8	1	120V/200V TRANSFORMER	1	SE	30	100	100
TOTAL:						300	300

NOTE:
1) Coordinate with manufacturer for load calculations.
2) Coordinate to provide all instructions and power requirements as required.