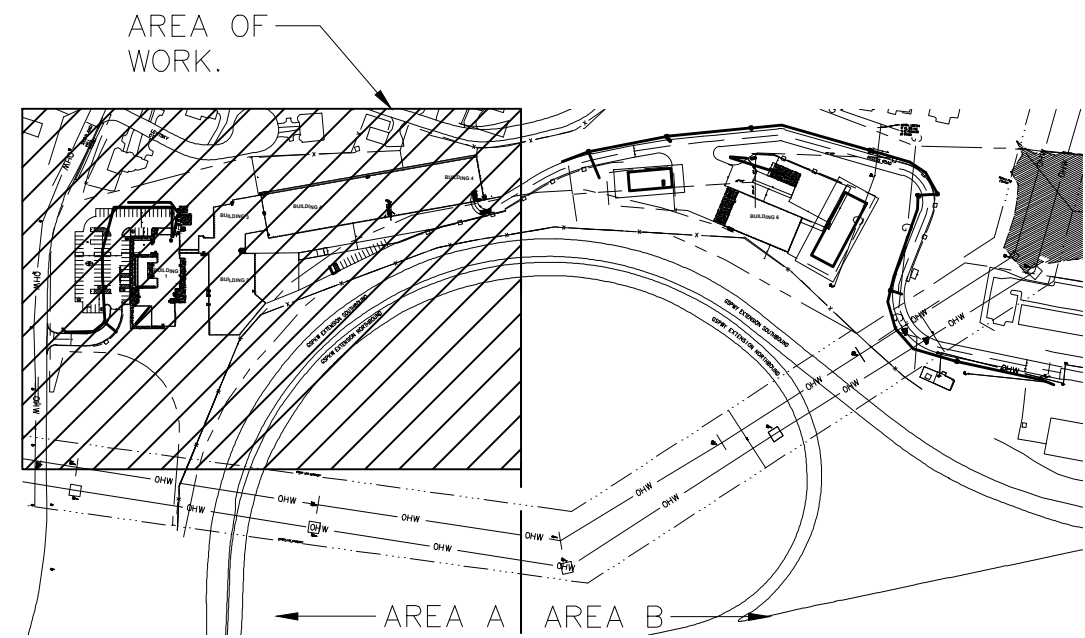


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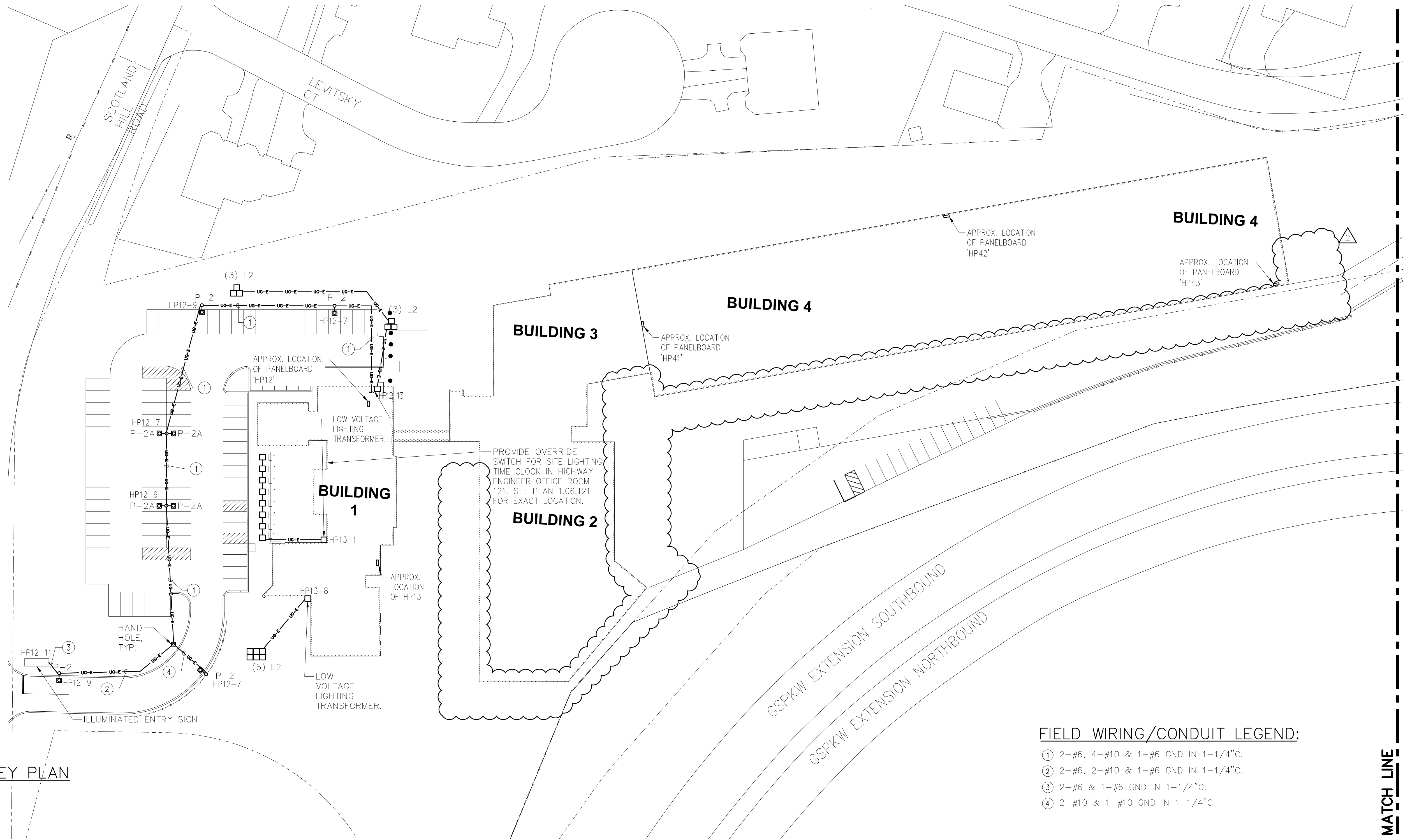


2 ELECTRICAL SITE LIGHTING KEY PLAN

SCALE: NTS

NOTES:

1.) SITE LIGHTING SHALL BE CONTROLLED BY PHOTOCELL AND TIME CLOCK.



1 ELECTRICAL SITE LIGHTING PLAN A

SCALE: 1" = 40'-0"

FIELD WIRING/CONDUIT LEGEND:

- ① 2-#6, 4-#10 & 1-#6 GND IN 1-1/4" C.
- ② 2-#6, 2-#10 & 1-#6 GND IN 1-1/4" C.
- ③ 2-#6 & 1-#6 GND IN 1-1/4" C.
- ④ 2-#10 & 1-#10 GND IN 1-1/4" C.

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PROJECT

COUNTY OF ROCKLAND
CAPITAL PROJECT NO. 1307
HIGHWAY DEPARTMENT /
EMERGENCY OPERATIONS FACILITY
COUNTY OF ROCKLAND, NEW YORK

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STATE OF NEW YORK

SEVEN ABBATISTIA

077237

REGISTERED PROFESSIONAL ENGINEER

SHEET NAME

**ELECTRICAL SITE LIGHTING
PLAN A**

ADDENDUM#14

No.	DATE	REVISION	BY
1	12/09/19	ADDENDUM 08	VB

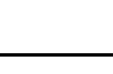
PROJECT NO. 130439
SCALE As indicated
DATE OCTOBER 30, 2019
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APPROVED BY DS

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DRAWING NO. **0.06.110**

OF SHTS

FILE NAME: I:\Projects\MEG\MEG0050.00.Dwg(0.06-601-2-3-4.dwg PLOT TIME: Tue, 10 Dec 2019 - 9:47am LAST SAVE: Tue, 10 Dec 2019 - 9:15am BY: dbez

LIGHTING FIXTURE SCHEDULE CONTINUED						
FIXTURE DESIGNATION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	MOUNTING	REMARKS
 C	LITHONIA LIGHTING	EDGR-1-R-EL	EXIT - LED 3.8W	277V (UNV)	RECESSED	LED EXIT SIGN WITH 90 MINUTES OF BATTERY BACKUP TIME. 8" RED LETTERS ON CLEAR BACKGROUND. TRIM SHALL BE RECESSED AND FLAT.
 W	LITHONIA LIGHTING	EDG-1-R-EL	EXIT - LED 3.8W	277V (UNV)	SURFACE	LED EXIT SIGN WITH 90 MINUTES OF BATTERY BACKUP TIME. 8" RED LETTERS ON CLEAR BACKGROUND. SURFACE WALL MOUNTED.
 HD	LITHONIA LIGHTING	LV-S-1-R-120/277-EL N-UM-SD	EXIT - LED 3.3W	277V (UNV)	SURFACE	DURABLE CAST-ALUMINUM CONSTRUCTION LED EXIT SIGN WITH 90 MINUTES OF BATTERY BACKUP TIME. 8" RED LETTERS ON BLACK FACEPLATE WITH BLACK HOUSING. SURFACE MOUNTED.
 NC	LITHONIA LIGHTING	WLTE-W-1-R-EL-SD	EXIT - LED 2.7W	277V (UNV)	SURFACE	WET LOCATION RATED AND CORROSION PROOF LED EXIT SIGN WITH 90 MINUTES OF BATTERY BACKUP TIME. 8" RED LETTERS ON WHITE BACKGROUND.
	LITHONIA LIGHTING	INDL-SP1100L-UVOLT-LTP-SDRT	5.3W LED	277V (UNV)	SURFACE	DAMP LOCATION RATED, IMPACT AND CORROSION PROOF EMERGENCY TWIN-SPOT LED FIXTURE WITH 90 MINUTES OF BATTERY BACKUP TIME.
 WP	LITHONIA LIGHTING	EXTL-SP1100L-UVOLT-LTP-SDRT	5.3W LED	277V (UNV)	SURFACE	WET LOCATION NEMA 4X RATED, IMPACT AND CORROSION PROOF EMERGENCY TWIN-SPOT LED FIXTURE WITH 90 MINUTES OF BATTERY BACKUP TIME.

LIGHTING FIXTURE SCHEDULE NOTES:

- 1.) VERIFY ALL FIXTURE CATALOG NUMBERS FOR INTENDED APPLICATIONS WITH REQUIRED ACCESSORIES.
2.) ALL FIXTURES LOCATED OUTDOORS SHALL BE ZERO DEGREE RATED STARTING TEMPERATURE. REFER TO DRAWINGS FOR LOCATION OF FIXTURES.
3.) LIGHT FIXTURES INDICATED AS EMERGENCY (EM) ON DRAWINGS SHALL CONTAIN AN EMERGENCY BACK-UP BATTERY WHERE POSSIBLE THE BATTERY SHALL BE INTERNAL TO FIXTURE WITH A VISUAL INDICATING CHARGE LAMP AND TEST SWITCH. IF IT IS NOT POSSIBLE TO INSTALL THE EMERGENCY BATTERY IN THE FIXTURE, THE CONTRACTOR SHALL FURNISH & INSTALL A REMOTE EMERGENCY BATTERY. EACH BATTERY PACK SHALL BE CONNECTED SO THAT THE FIXTURE CAN BE SWITCHED UNDER NORMAL CONDITIONS AND IN THE EVENT OF A POWER OUTAGE, THE FIXTURE SHALL AUTOMATICALLY ILLUMINATE FOR 90 MINUTES WITH A 1200 LUMEN OUTPUT (TOTAL FROM FIXTURE), MINIMUM.
4.) ALL EXIT AND EMERGENCY FIXTURES SHALL BE FED FROM UNSWITCHED LEG OF ASSOCIATED LOCAL LIGHTING CIRCUITS.
5.) IN THE EVENT THE CONTRACTOR CHOOSES TO SUBSTITUTE LIGHT FIXTURES FOR THOSE THAT ARE SPECIFIED ON THE LIGHT FIXTURE SCHEDULE, THE CONTRACTOR SHALL SUBMIT POINT-TO-POINT PHOTOMETRIC CALCULATIONS FOR ALL AREAS WHERE THE SUBSTITUTED FIXTURES ARE INDICATED TO BE INSTALLED ON THE DRAWINGS. THESE CALCULATIONS SHALL BE SUBMITTED ALONG WITH THE LIGHT FIXTURE SHOP DRAWINGS.

TRANSFORMER SCHEDULE				
LOCATION	DESIGNATION	KVA	MOUNTING/SUPPORT	REMARKS
BUILDING 1 - MAIN ELECTRIC ROOM	T11	75	FLOOR/PAD	PROVIDE 4" HOUSE KEEPING PAD.
BUILDING 1 - MAIN ELECTRIC ROOM	T12	75	FLOOR/PAD	PROVIDE 4" HOUSE KEEPING PAD.
BUILDING 1 - MAIN ELECTRIC ROOM	T13	75	FLOOR/PAD	PROVIDE 4" HOUSE KEEPING PAD.
BUILDING 1 - MAIN ELECTRIC ROOM	T14	45	FLOOR/PAD	PROVIDE 4" HOUSE KEEPING PAD.
BUILDING 2 - ELECTRIC ROOM	T21	225	FLOOR/PAD	PROVIDE 4" HOUSE KEEPING PAD.
BUILDING 3 - ELECTRIC ROOM	T31	75	FLOOR/PAD	PROVIDE 4" HOUSE KEEPING PAD.
BUILDING 3 - ELECTRIC ROOM	T32	30	FLOOR/PAD	PROVIDE 4" HOUSE KEEPING PAD.
BUILDING 3 - ELECTRIC ROOM	T33	30	FLOOR/PAD	PROVIDE 4" HOUSE KEEPING PAD.
BUILDING 4	T41	45	HUNG FROM WALL 13' AFF	PROVIDE FACTORY SUPPORT BRACKET.
BUILDING 4	T42	45	HUNG FROM WALL 13' AFF	PROVIDE FACTORY SUPPORT BRACKET.
BUILDING 4	T43	45	HUNG FROM WALL 13' AFF	PROVIDE FACTORY SUPPORT BRACKET.
BUILDING 5	T51	45	FLOOR/PAD	PROVIDE 4" HOUSE KEEPING PAD.
BUILDING 6 EXTERIOR	T61	30	FLOOR/PAD	MOUNT 2' ABOVE GRADE
BUILDING 7 EXTERIOR	T71	45	FLOOR/PAD	MOUNT 2' ABOVE GRADE
BUILDING 8	T81	45	HUNG FROM WALL 13' AFF	PROVIDE FACTORY SUPPORT BRACKET.
NOTES: 1.) ALL TRANSFORMERS SHALL BE DRY TYPE TRANSFORMERS WITH 480V, 3ø, 3W PRIMARY AND 208Y/120V, 3ø, 4W SECONDARY UON. 2.) PROVIDE VIBRATION ISOLATORS FOR ALL TRANSFORMERS. 3.) PROVIDE 4" CONCRETE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED TRANSFORMERS. 4.) MAINTAIN 8" MINIMUM CLEARANCE FROM ALL VENTILATION OPENINGS UON. 5.) ADJUST TRANSFORMER TAPS TO COMPENSATE FOR VOLTAGE DROP AS DESCRIBED IN SPECIFICATIONS.				

LIGHTING FIXTURE SCHEDULE						
FIXTURE DESIGNATION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	MOUNTING	REMARKS
F1	METALUMEN	TC5-2L35K-24-PCB-W-L2-1B-T-4-FD	36.8W LED	277V (UNV)	RECESSED	2'x4' LED RECESSED DIRECT LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM. CARLISLE TC5 POLYCARBONATE BASKET LENS.
F1-A	METALUMEN	TC5-2L35K-24-PCB-W-L1-1B-T-4-FD	36.8W LED	277V (UNV)	RECESSED	2'x4' LED RECESSED LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F1-B	METALUMEN	TC5-2L35K-24-PCB-W-L3-1B-T-4-FD	36.8W LED	277V (UNV)	RECESSED	2'x4' LED RECESSED LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F1-C	METALUMEN	TC5-2L35K-24-PCB-W-L4-1B-T-4-FD	36.8W LED	277V (UNV)	RECESSED	2'x4' LED RECESSED LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F2	METALUMEN	TC5-2L35K-22-PCB-W-L2-1B-T-4	29.1W LED	277V (UNV)	RECESSED	2'x2' LED RECESSED LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F3	METALUMEN	TC5-2L35K-14-PCB-W-L2-1B-T-4	30.6W LED	277V (UNV)	RECESSED	1'x4' LED RECESSED LINEAR LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F3-A	METALUMEN	TC5-2L35K-14-PCB-W-L1-1B-T-4	30.6W LED	277V (UNV)	RECESSED	1'x4' LED RECESSED LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F4	LUMATO	R3-4-L-01-27-30-EM	7.95W/LF	277V (UNV)	RECESSED	4' 3R LED DIRECT LINEAR RECESSED LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F4-A	LUMATO	R3-4-M-01-27-30-EM	7.95W/LF	277V (UNV)	RECESSED	4' RECESSED LIGHT FIXTURE. PROVIDE 0-10V DIMMING OPTION. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F5	PEACHTREE LIGHTING	6BLRD-17-35K-80-SH-EML1	19W LED	120 OR 277	RECESSED	6" 6BLRD ROUND RECESSED LED DOWNLIGHT. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F5-A	PEACHTREE LIGHTING	6BLRD-12-35K-80-SH-EML1	19W LED	277	RECESSED	6" ROUND RECESSED LED DOWNLIGHT. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F6	PEACHTREE LIGHTING	C6BLR-10-35K-90-SH-WH-PND-EML1	19W LED	277V (UNV)	SURFACE	6" C6BLR ALUMINUM LED CYLINDER PENDANT LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F6-A	PEACHTREE LIGHTING	C6BLR-10-35K-90-SH-WH-AYK-EML1	19W LED	277V (UNV)	SURFACE	6" C6BLR ALUMINUM LED CYLINDER YOKE MOUNT LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F7	LSI-INDUSTRIES	EG3-4-LED-06L-DA-S-UNV-40-80-EM-SL	31.45W LED	277V (UNV)	SURFACE	4' EG3 WET LOCATION HEAVY DUTY FIBER GLASS LED LINEAR LIGHT FIXTURE. OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F7-A	LSI-INDUSTRIES	EG3-4-LED-04L-DA-S-UNV-40-80-EM-SL	31.45W LED	277V (UNV)	SURFACE	4' WET LOCATION LED LIGHT FIXTURE. PROVIDE 0-10V DIMMING OPTION. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F8	METALUMEN	RMEP8-2L35K-4-35-M-WT-L2-1B-PA-4	35.4W LED	277V (UNV)	PENDANT	4' LED PENDANT LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F8-A	METALUMEN	RMEP8-2L35K-4-25-CM-WT-L2-1B-PA-4	35.4W LED	277V (UNV)	PENDANT	4' LED PENDANT LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F9	G LIGHTING	GL-2350-E-NA-WH-WH-2-EL	17W LED	120 OR 277	PENDANT	LED PENDANT LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F10	LSI-INDUSTRIES	XWM-3-LED-3L-40-UE-CWBB-BRZ	22.6W LED	277V (UNV)	SURFACE	20" EXTERIOR MOUNTED COLD WEATHER RATED MIRANDA WALL SCONCE LED LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F11	NORTHSTAR LIGHTING	IWL-240-NW-90-U-ND-HK	76W LED	277V (UNV)	PENDANT	LED PENDANT LIGHT FIXTURE. PROVIDE 0-10V DIMMING OPTION. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F11-A	NORTHSTAR LIGHTING	IWL-200-NW-90-U-ND-HK	76W LED	277V (UNV)	PENDANT	LED PENDANT LIGHT FIXTURE. PROVIDE 0-10V DIMMING OPTION. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F11-B	NORTHSTAR LIGHTING	IWL-150-NW-90-U-ND-HK	76W LED	277V (UNV)	PENDANT	LED PENDANT LIGHT FIXTURE. PROVIDE 0-10V DIMMING OPTION. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F12	STARTEK LIGHTING AMERICA	BEAMDI-4-775-475-SD-CL-40K-PW-WM-U-#EM	36W LED	277V (UNV)	SURFACE	3' LED LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F13	STARTEK LIGHTING AMERICA	NOV2D-4-S-SD-40K-PW-12 INCH ARM-U-#EM	27W LED	277V (UNV)	SURFACE	5' NOVA 2 DIRECT LED LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F14	METALUMEN	RMEP8-2L40K-12-5-M-WT-I2-1-PA-4	35.4W LED	277V (UNV)	PENDANT	4' LED PENDANT LIGHT FIXTURE. PROVIDE 0-10V DIMMING OPTION. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
F15	G LIGHTING	GL-5001-M10-B-BLK-A	102.2W LED	120 OR 277	SURFACE WALL	BUILDING WALL MOUNTED SITE LIGHTING. PROVIDE INTEGRAL PHOTOCELL.
L1	VISTA PROFESSIONAL	GR-5105-Z-2-W-RF	4W	120 OR 277	IN GROUND	IN GROUND LANDSCAPE LIGHTING. PROVIDE 24V TRANSFORMER.
L2	VISTA PROFESSIONAL	GR-5014I-Z-2.5-W-MF-FR	4W	120 OR 277	IN GROUND	IN GROUND LANDSCAPE LIGHTING. PROVIDE 24V TRANSFORMER.
P-1	LED ROADWAY LIGHTING	NXT-72M-VOLT-2ES-7-3	158W LED	120 OR 277	POLE	POLE MOUNTED SITE LIGHTING. PROVIDE WITH INTEGRAL PHOTOCELL.
P-2	LSI INDUSTRIES	MRM-LED-07L-SIL-FT-40-70CRI-IL	53W LED	120 OR 277	POLE	POLE MOUNTED SITE LIGHTING. PROVIDE WITH INTEGRAL PHOTOCELL.
P-2A	LSI INDUSTRIES	MRM-LED-07L-SIL-FT-40-70CRI-IL	(2) 53W LED	120 OR 277	POLE	POLE MOUNTED SITE LIGHTING. PROVIDE WITH INTEGRAL PHOTOCELL.
WM-3	LSI INDUSTRIES	XWM-FT-LED-12L-40	102.2W LED	120 OR 277	SURFACE WALL	BUILDING WALL MOUNTED SITE LIGHTING. PROVIDE INTEGRAL PHOTOCELL.
WM-4	LSI INDUSTRIES	XWM-2-LED-12L-40	102.2W LED	120 OR 277	SURFACE WALL	BUILDING WALL MOUNTED SITE LIGHTING. PROVIDE INTEGRAL PHOTOCELL.

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PROJECT

COUNTY OF ROCKLAND
CAPITAL PROJECT NO. 1307
HIGHWAY DEPARTMENT /
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COUNTY OF ROCKLAND, NEW YORK



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SHEET NAME

ELECTRICAL LIGHTING
FIXTURE AND
TRANSFORMER SCHEDULES

1	12/09/19	ADDENDUM 08	VB		
No.	DATE	REVISION	BY		

PROJECT NO. 130439

SCALE As indicated

DATE OCTOBER 30, 2019

DRAWN BY CT

CHECKED BY ML

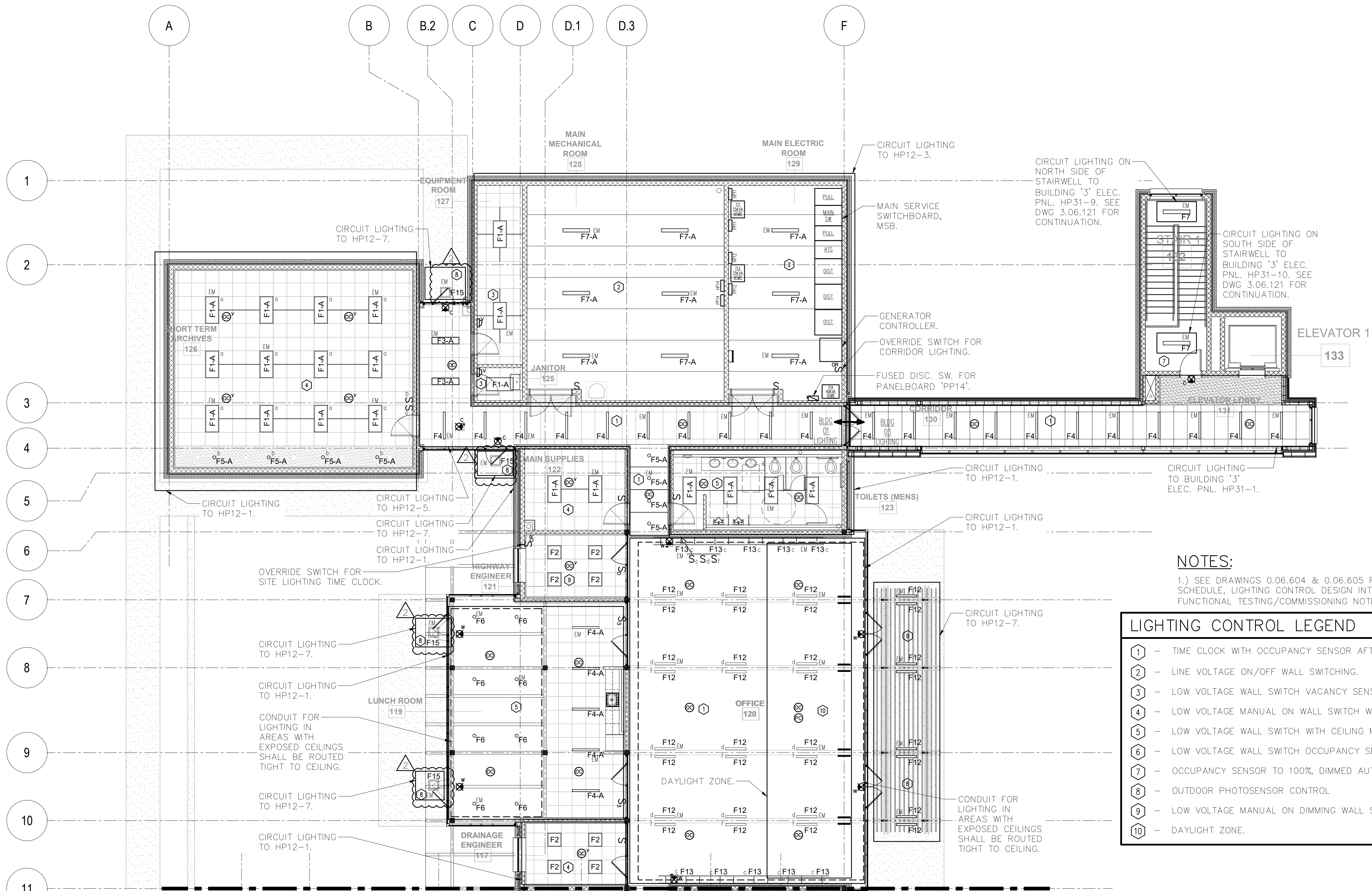
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DRAWING NO. 0.06.604

OF SHTS

FILE NAME: I:\Projects\MEG\NMEG0050.00\Drawings\1-06-121-2.dwg PLOT TIME: Tue, 10 Dec 2019 - 9:47am LAST SAVE: Tue, 10 Dec 2019 - 9:30am BY: jdoz



SEE DRAWING 1.06.122 FOR CONTINUATION



ELECTRICAL BUILDING 01 LIGHTING PART PLAN

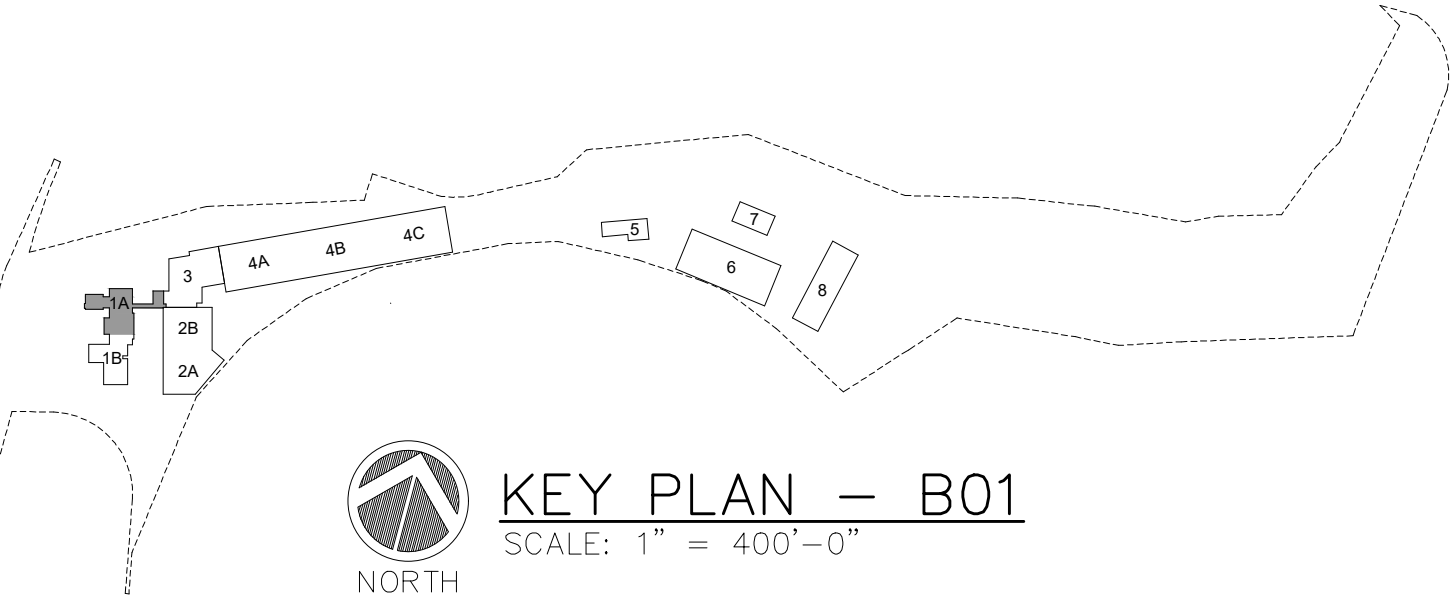
SCALE: 1/8" = 1'-0"

NOTES:

1.) SEE DRAWINGS 0.06.604 & 0.06.605 FOR LIGHTING FIXTURE SCHEDULE, LIGHTING CONTROL DESIGN INTENT & LIGHTING SYSTEM FUNCTIONAL TESTING/COMMISSIONING NOTES.

LIGHTING CONTROL LEGEND

- 1 - TIME CLOCK WITH OCCUPANCY SENSOR AFTER HOURS AND MANUAL OVERRIDE SWITCH.
- 2 - LINE VOLTAGE ON/OFF WALL SWITCHING.
- 3 - LOW VOLTAGE WALL SWITCH VACANCY SENSOR.
- 4 - LOW VOLTAGE MANUAL ON WALL SWITCH WITH CEILING MOUNT VACANCY.
- 5 - LOW VOLTAGE WALL SWITCH WITH CEILING MOUNTED OCCUPANCY SENSOR.
- 6 - LOW VOLTAGE WALL SWITCH OCCUPANCY SENSOR.
- 7 - OCCUPANCY SENSOR TO 100%, DIMMED AUTOMATICALLY TO 50%.
- 8 - OUTDOOR PHOTOSENSOR CONTROL
- 9 - LOW VOLTAGE MANUAL ON DIMMING WALL SWITCH WITH CEILING MOUNTED VACANCY.
- 10 - DAYLIGHT ZONE.



KEY PLAN - B01

SCALE: 1" = 400'-0"

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PROJECT
**COUNTY OF ROCKLAND
CAPITAL PROJECT NO. 1307
HIGHWAY DEPARTMENT /
EMERGENCY OPERATIONS FACILITY
COUNTY OF ROCKLAND, NEW YORK**

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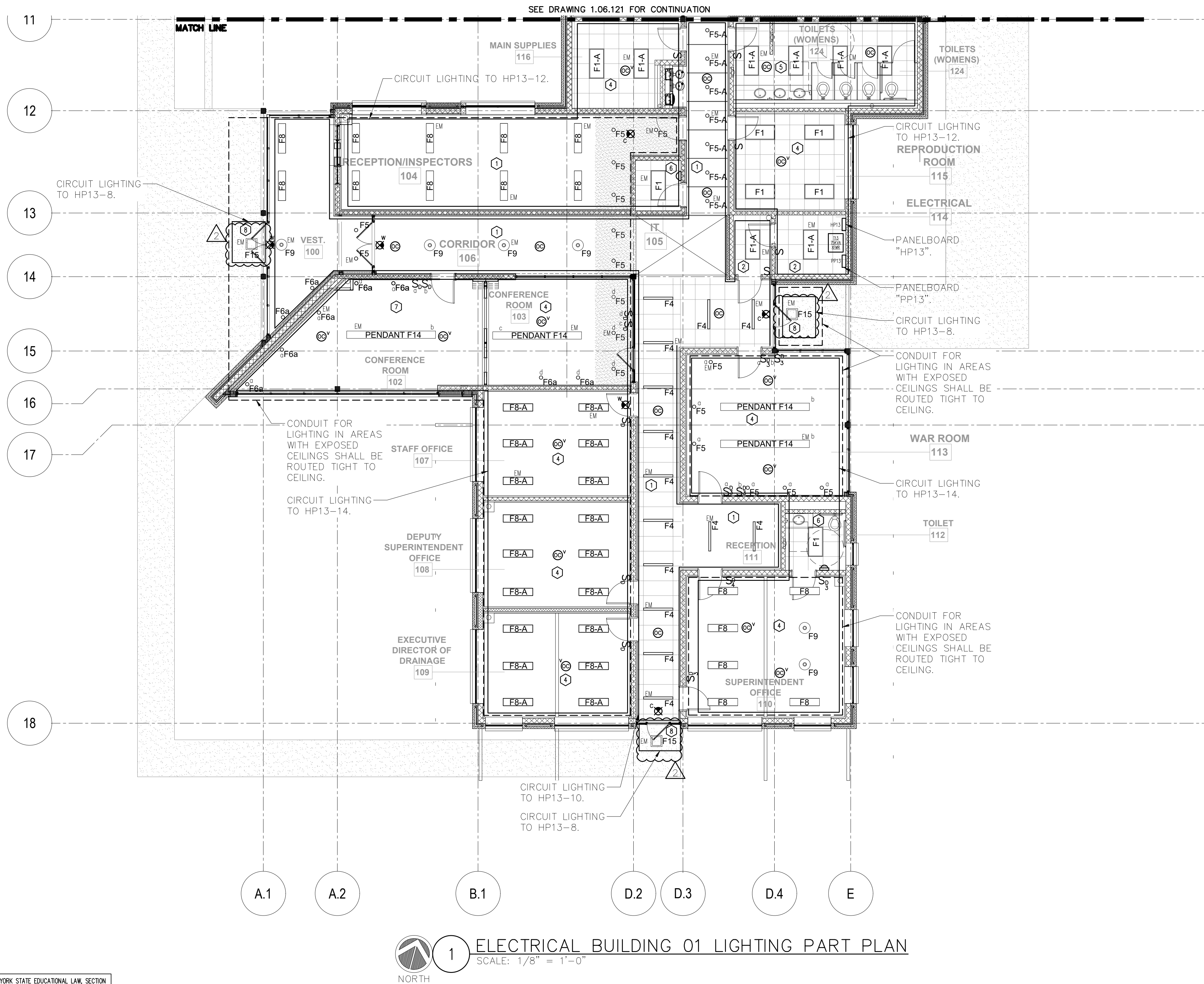


SHEET NAME
**ELECTRICAL BUILDING 01
LIGHTING PART PLAN**

ADDENDUM#14			
No.	DATE	REVISION	BY
1	12/09/19	ADDENDUM 08	VB

PROJECT NO. 130439	ISSUED FOR BID SET
SCALE As indicated	DRAWING NO. 1.06.121
DATE OCTOBER 30, 2019	OF SHTS
DRAWN BY CT	
CHECKED BY ML	
APPROVED BY DS	

FILE NAME: I:\Projects\MEG\NMEG0050.00\Drawings\1-06-121-2.dwg PLOT TIME: Fri, 06 Dec 2019 - 5:23pm LAST SAVE: Fri, 06 Dec 2019 - 5:15pm BY: mllis

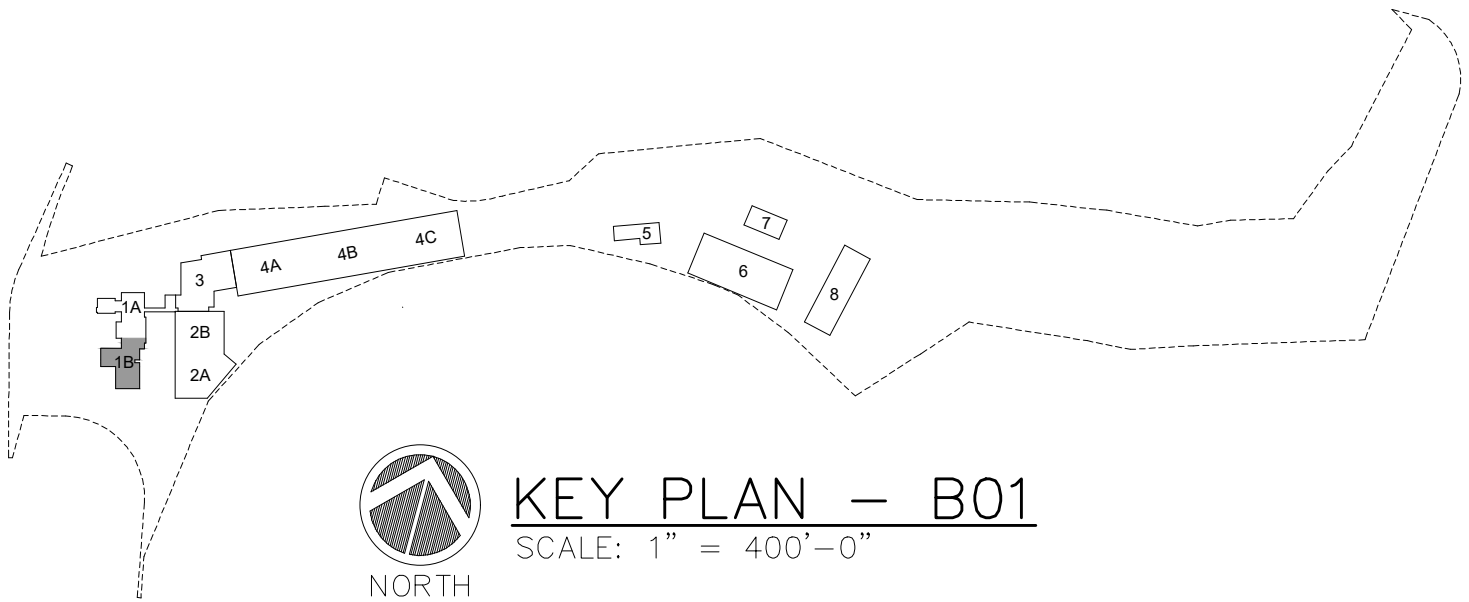


NOTES:

1.) SEE DRAWINGS 0.06.604 & 0.06.605 FOR LIGHTING FIXTURE SCHEDULE, LIGHTING CONTROL DESIGN INTENT & LIGHTING SYSTEM FUNCTIONAL TESTING/COMMISSIONING NOTES.

LIGHTING CONTROL LEGEND

- 1 - TIME CLOCK WITH OCCUPANCY SENSOR OVERRIDE AFTER HOURS.
- 2 - LINE VOLTAGE ON/OFF WALL SWITCHING.
- 3 - LOW VOLTAGE WALL SWITCH VACANCY SENSOR.
- 4 - LOW VOLTAGE MANUAL ON WALL SWITCH WITH CEILING MOUNT VACANCY AND DIMMING.
- 5 - LOW VOLTAGE WALL SWITCH WITH CEILING MOUNTED OCCUPANCY SENSOR.
- 6 - LOW VOLTAGE WALL SWITCH OCCUPANCY SENSOR.
- 7 - LOW VOLTAGE MANUAL ON DIMMING WALL SWITCH WITH CEILING MOUNTED VACANCY.
- 8 - OUTDOOR PHOTOSENSOR CONTROL



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PROJECT
**COUNTY OF ROCKLAND
CAPITAL PROJECT NO. 1307
HIGHWAY DEPARTMENT /
EMERGENCY OPERATIONS FACILITY
COUNTY OF ROCKLAND, NEW YORK**

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and Land Surveying P.C.
530 Chestnut Ridge Road, Woodcliff Lake, NJ 07677
T: 201.775.6000 F: 201.746.8522 www.mgmclaren.com

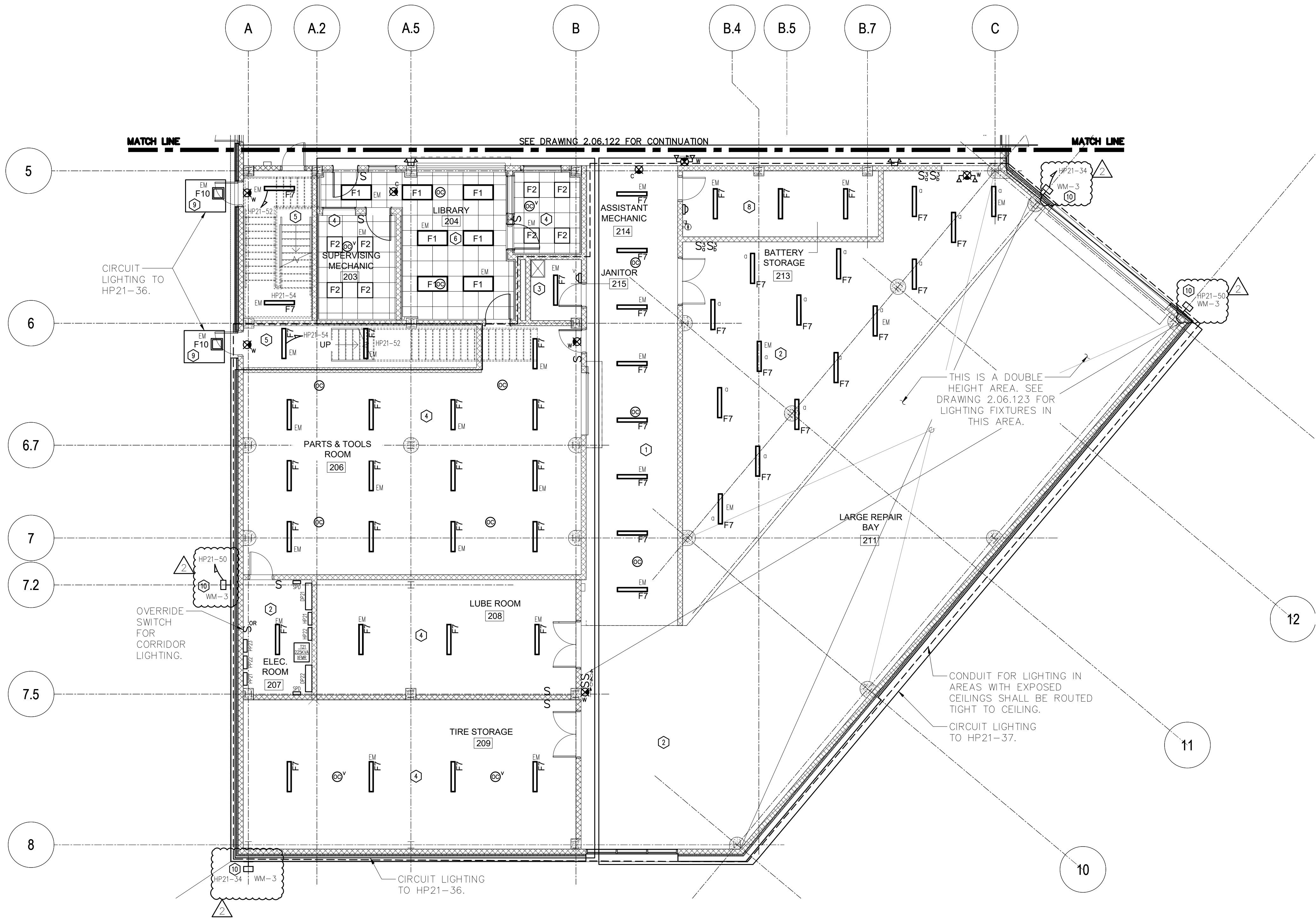
STATE OF NEW YORK
STEPHEN ABBATISTA
REGISTERED PROFESSIONAL ENGINEER
077237

SHEET NAME
**ELECTRICAL BUILDING 01
LIGHTING PART PLAN**

PROJECT NO. 130439		ISSUED FOR BID SET	
SCALE As indicated		DRAWING NO. 1.06.122	
DATE OCTOBER 30, 2019		OF SHTS	
DRAWN BY CT			
CHECKED BY ML			
APPROVED BY DS			
REVISION			
No.	DATE	BY	
2	12/09/19	VB	
1	11/27/19	VB	

ADDENDUM#14

FILE NAME: I:\Projects\MEG\NMEG0050.00\Drawings\2-06-121-2.dwg PLOT TIME: Fri, 06 Dec 2019 - 5:23pm LAST SAVE: Fri, 06 Dec 2019 - 5:16pm BY: mllms



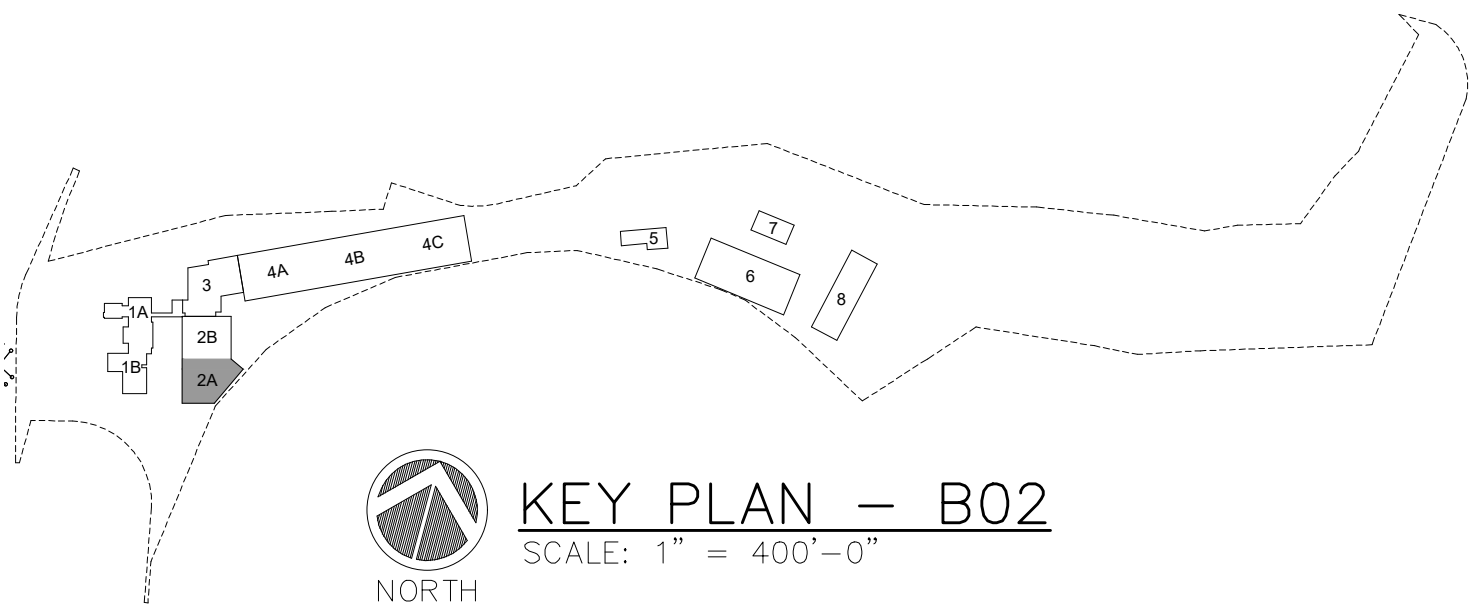
NOTES:

1.) SEE DRAWINGS 0.06.604 & 0.06.605 FOR LIGHTING FIXTURE SCHEDULE, LIGHTING CONTROL DESIGN INTENT & LIGHTING SYSTEM FUNCTIONAL TESTING/COMMISSIONING NOTES.

2.) LUBE ROOM 208 & LARGE REPAIR BAY 211 ARE CLASSIFIED AS HAZARDOUS CLASS 2, DIVISION 2 LOCATIONS UP TO 18" AFF. REFER TO DETAIL 4 ON DRAWING 2.06.503 FOR WIRING INFORMATION.

LIGHTING CONTROL LEGEND

- 1 - TIME CLOCK WITH OCCUPANCY SENSOR AFTER HOURS AND MANUAL OVERRIDE SWITCH.
- 2 - LINE VOLTAGE ON/OFF WALL SWITCHING.
- 3 - LOW VOLTAGE WALL SWITCH VACANCY SENSOR.
- 4 - LOW VOLTAGE MANUAL ON WALL SWITCH WITH CEILING MOUNT VACANCY.
- 5 - OCCUPANCY SENSOR TO 100%, AUTO DIMMED TO 50%.
- 6 - LOW VOLTAGE WALL SWITCH WITH CEILING MOUNTED OCCUPANCY SENSOR.
- 7 - LINE VOLTAGE WALL SWITCH WITH PILOT LIGHT.
- 8 - LOW VOLTAGE WALL SWITCH OCCUPANCY SENSOR.
- 9 - OUTDOOR PHOTOSENSOR CONTROL
- 10 - OUTDOOR PHOTOSENSOR AND TIMECLOCK CONTROL



1 ELECTRICAL BUILDING 02 LIGHTING PART PLAN

SCALE: 1/8" = 1'-0"

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PROJECT
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SHEET NAME
**ELECTRICAL BUILDING 02
LIGHTING PART PLAN**

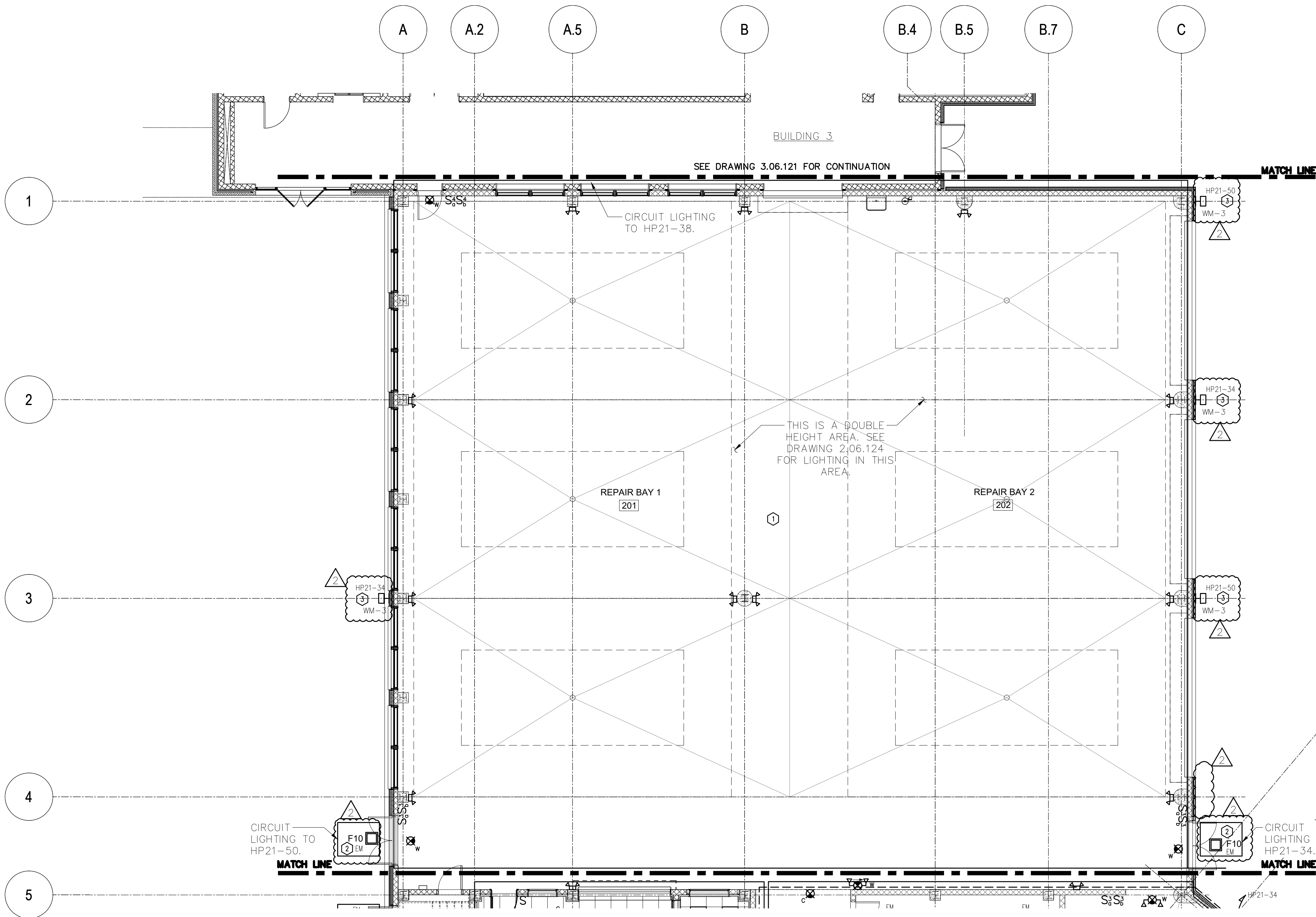
ADDENDUM#14

2	12/09/19	ADDENDUM 08	VB
1	11/27/19	ADDENDUM 07	VB
No.	DATE	REVISION	BY

PROJECT NO. 130439
SCALE As indicated
DATE OCTOBER 30, 2019
DRAWN BY CT
CHECKED BY ML
APPROVED BY DS

ISSUED FOR
BID SET
DRAWING NO.
2.06.121
OF SHTS

FILE NAME: I:\Projects\MEG\NMEG0050.00\Drawings\2-06-121-2.dwg PLOT TIME: Tue, 10 Dec 2019 - 9:47am LAST SAVE: Tue, 10 Dec 2019 - 9:31am BY: dsoz

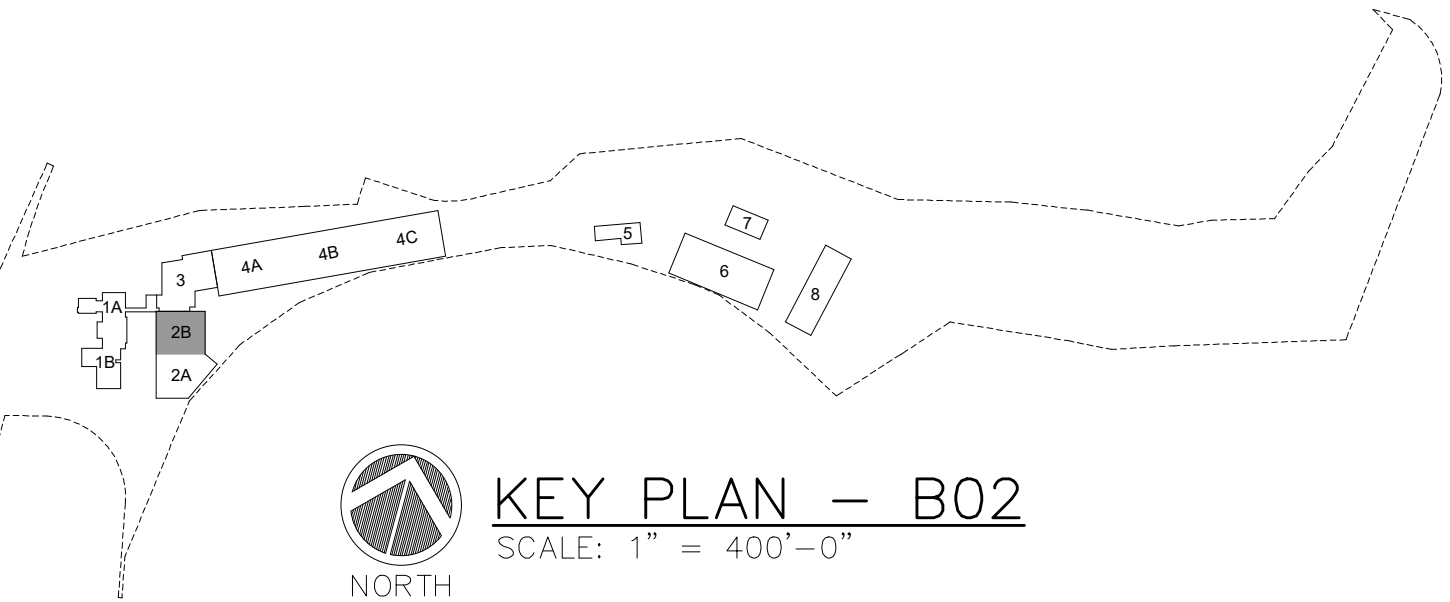


NOTES:

- 1.) SEE DRAWINGS 0.06.604 & 0.06.605 FOR LIGHTING FIXTURE SCHEDULE, LIGHTING CONTROL DESIGN INTENT & LIGHTING SYSTEM FUNCTIONAL TESTING/COMMISSIONING NOTES.
- 2.) REPAIR BAY 1 201 AND REPAIR BAY 2 202 ARE CLASSIFIED AS HAZARDOUS CLASS 1, DIVISION 2 LOCATIONS UP TO 18" AFF. REFER TO DETAIL 4 ON DRAWING 2.06.503 FOR WIRING INFORMATION.

LIGHTING CONTROL LEGEND

- 1 - LINE VOLTAGE ON/OFF WALL SWITCHING.
- 2 - OUTDOOR PHOTOSENSOR CONTROL.
- 3 - OUTDOOR PHOTOSENSOR AND TIMECLOCK CONTROL.



1

ELECTRICAL BUILDING 02 LIGHTING PART PLAN

SCALE: 1/8" = 1'-0"

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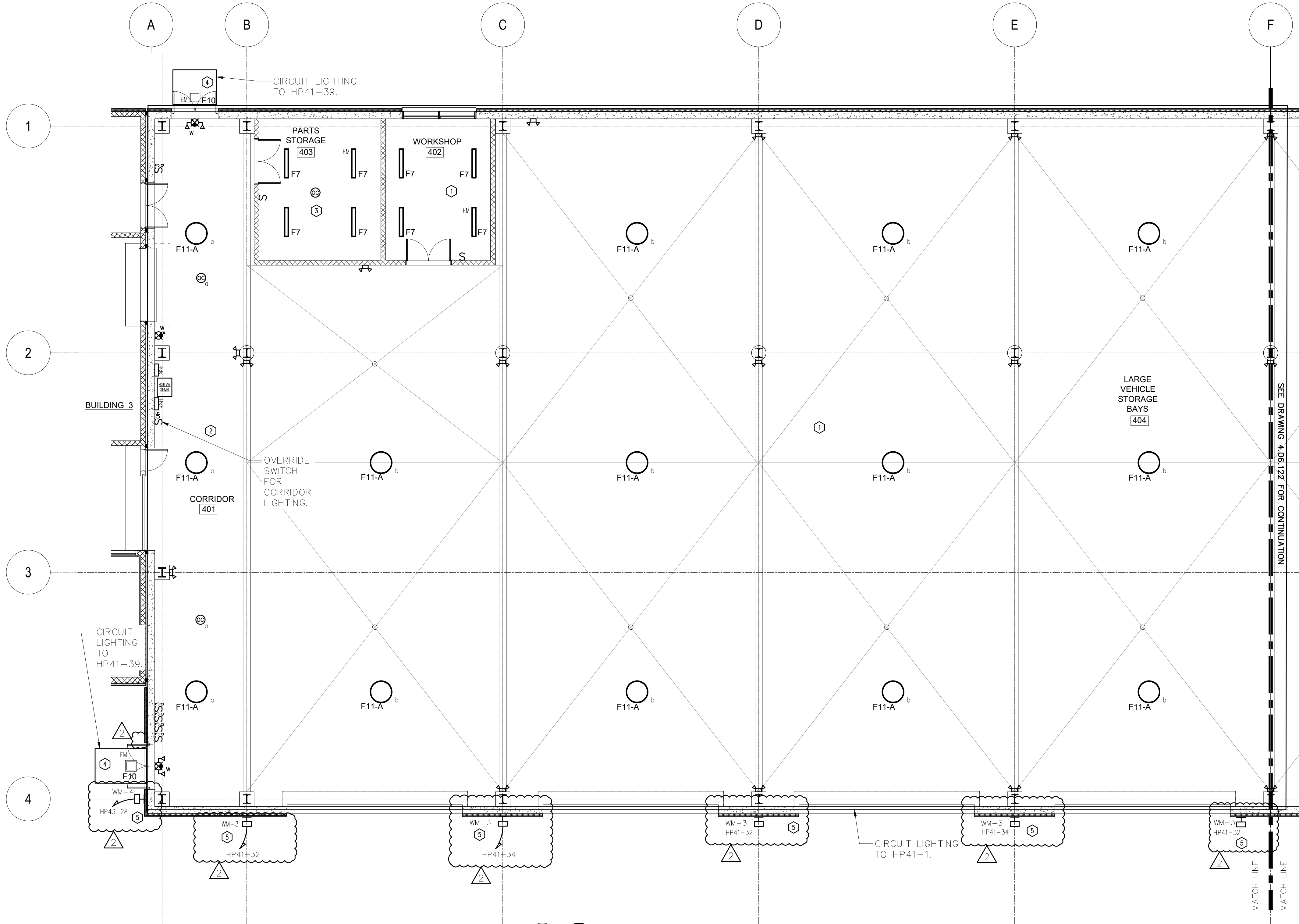
SHEET NAME
**ELECTRICAL BUILDING 02
LIGHTING PART PLAN**

ADDENDUM#14			
No.	DATE	REVISION	BY
1	12/09/19	ADDENDUM 08	VB

PROJECT NO.	130439
SCALE	As indicated
DATE	OCTOBER 30, 2019
DRAWN BY	CT
CHECKED BY	ML
APPROVED BY	DS

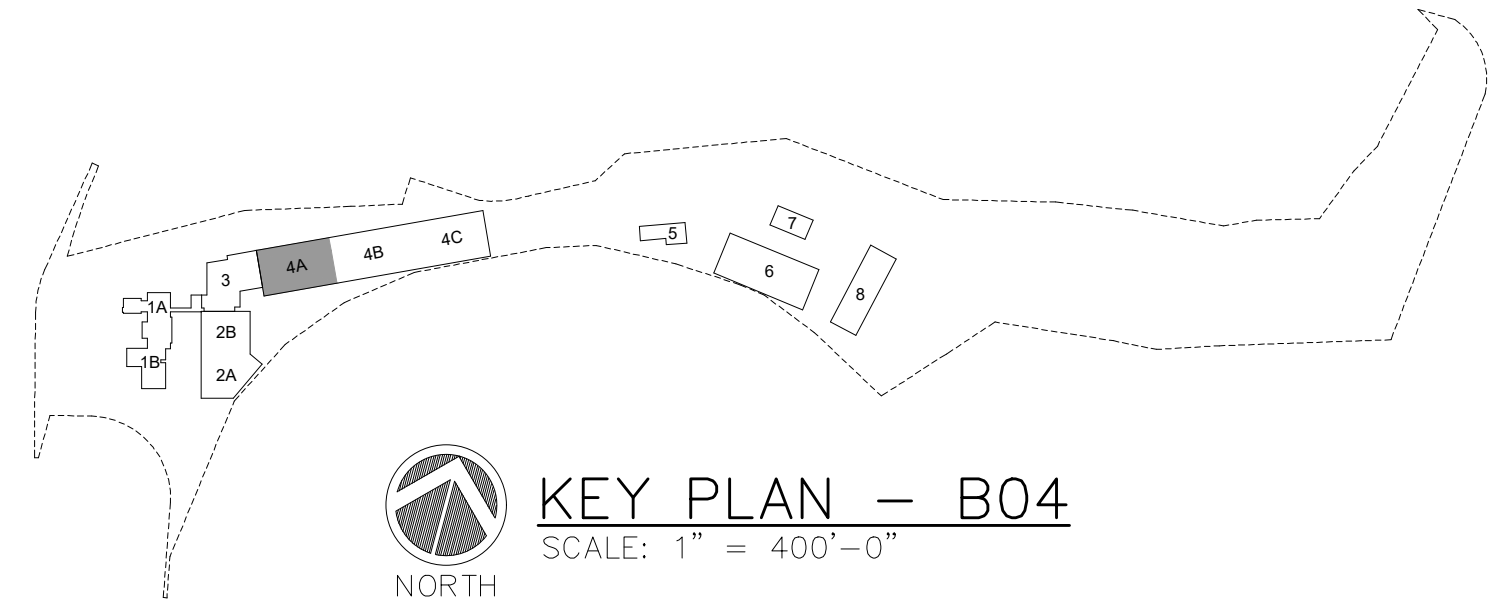
ISSUED FOR	BID SET
DRAWING NO.	2.06.122
OF	SHTS

FILE NAME: I:\Projects\MEG\NMEG0050.00\Drawings\4-06-121-2-3.dwg PLOT TIME: Tue, 10 Dec 2019 - 9:47pm LAST SAVE: Tue, 10 Dec 2019 - 9:34am BY: dnozz



NOTES:
1.) SEE DRAWINGS 0.06.604 & 0.06.605 FOR LIGHTING FIXTURE SCHEDULE, LIGHTING CONTROL DESIGN INTENT & LIGHTING SYSTEM FUNCTIONAL TESTING/COMMISSIONING NOTES.

LIGHTING CONTROL LEGEND	
1	- LINE VOLTAGE ON/OFF WALL SWITCHING.
2	- TIME CLOCK WITH OCCUPANCY SENSOR AFTER HOURS AND MANUAL OVERRIDE SWITCH.
3	- LOW VOLTAGE MANUAL ON WALL SWITCH WITH CEILING MOUNT VACANCY.
4	- OUTDOOR PHOTOSENSOR CONTROL.
5	- OUTDOOR PHOTOSENSOR AND TIMECLOCK CONTROL



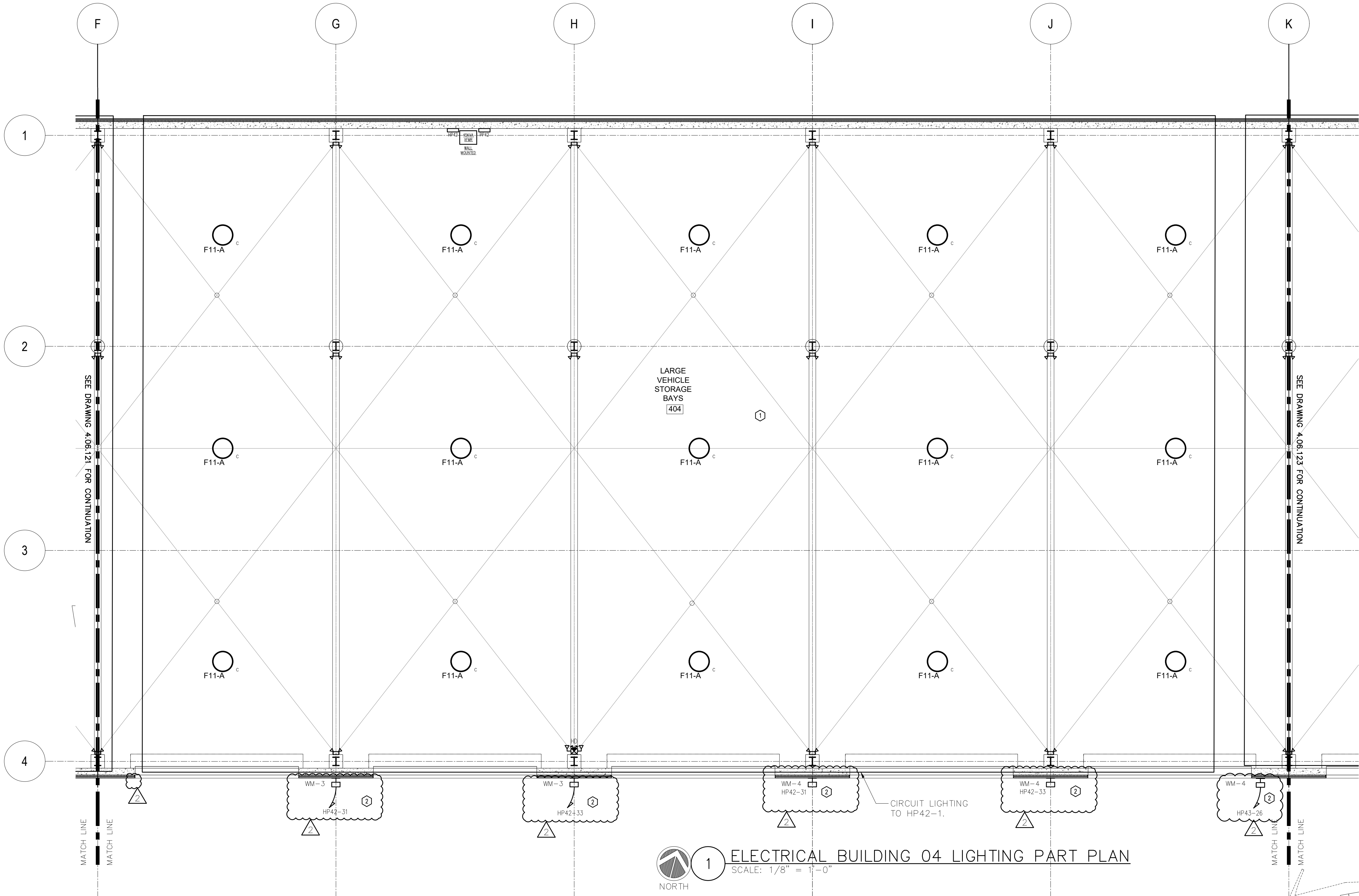
1 ELECTRICAL BUILDING 04 LIGHTING PART PLAN
SCALE: 1/8" = 1'-0"
NORTH

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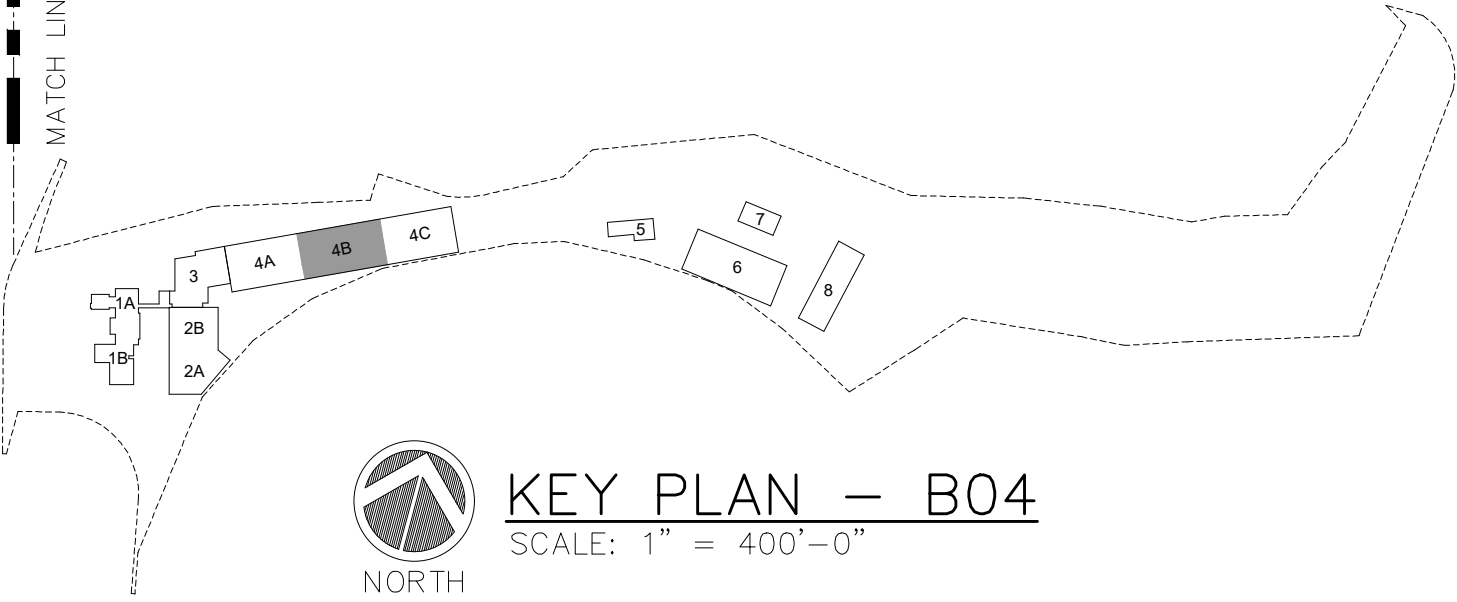
CONSULTANTS ARCHITECT STV Architects, P.C. 225 Park Avenue South New York, NY 10003 (212) 777-4400 FAX: (212) 473-2780 www.stvinc.com	MEP ENGINEER OLA Consulting Engineers 50 Broadway, Hawthorne, NY 10532 914.747.2800 8 West 38th Street, Suite 601 New York, NY 10018 646.848.4110 olaeca.com NMEG0050.00	FACILITIES CONSULTANT Gannett Fleming	LANDSCAPE ARCHITECT Imbiano-Quigley Landscape Architects 31 Monmouth Ave., 7th Floor White Plains, New York 10601 admin@iqlandscape.com (914) 232-6090	PROJECT COUNTY OF ROCKLAND CAPITAL PROJECT NO. 1307 HIGHWAY DEPARTMENT / EMERGENCY OPERATIONS FACILITY COUNTY OF ROCKLAND, NEW YORK	McLaren ENGINEERING GROUP M. G. McLaren Engineering and Land Surveying P.C. 530 Chestnut Ridge Road, Woodcliff Lake, NJ 07677 T: 201.775.6000 F: 201.746.8522 www.mgmclaren.com		SHEET NAME ELECTRICAL BUILDING 04 LIGHTING PART PLAN	<table><tr><td>1</td><td>12/09/19</td><td>ADDENDUM 08</td><td>VB</td></tr><tr><td>No.</td><td>DATE</td><td>REVISION</td><td>BY</td></tr></table>	1	12/09/19	ADDENDUM 08	VB	No.	DATE	REVISION	BY	<table><tr><td>PROJECT NO.</td><td>130439</td></tr><tr><td>SCALE</td><td>As indicated</td></tr><tr><td>DATE</td><td>OCTOBER 30, 2019</td></tr><tr><td>DRAWN BY</td><td>CT</td></tr><tr><td>CHECKED BY</td><td>ML</td></tr><tr><td>APPROVED BY</td><td>DS</td></tr></table>	PROJECT NO.	130439	SCALE	As indicated	DATE	OCTOBER 30, 2019	DRAWN BY	CT	CHECKED BY	ML	APPROVED BY	DS	<table><tr><td>ISSUED FOR</td><td>BID SET</td></tr><tr><td>DRAWING NO.</td><td>4.06.121</td></tr><tr><td>OF</td><td>SHTS</td></tr></table>	ISSUED FOR	BID SET	DRAWING NO.	4.06.121	OF	SHTS
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FILE NAME: I:\Projects\MEG\NMEG0050.00.Dwg 14-06-121-2-3.dwg PLOT TIME: Tue, 10 Dec 2019 - 9:47am LAST SAVE: Tue, 10 Dec 2019 - 9:34am BY: dnozz



NOTES:
1.) SEE DRAWINGS 0.06.604 & 0.06.605 FOR LIGHTING FIXTURE SCHEDULE, LIGHTING CONTROL DESIGN INTENT & LIGHTING SYSTEM FUNCTIONAL TESTING/COMMISSIONING NOTES.

LIGHTING CONTROL LEGEND	
1	- LINE VOLTAGE ON/OFF WALL SWITCHING.
2	- OUTDOOR PHOTOSENSOR AND TIMECLOCK CONTROL



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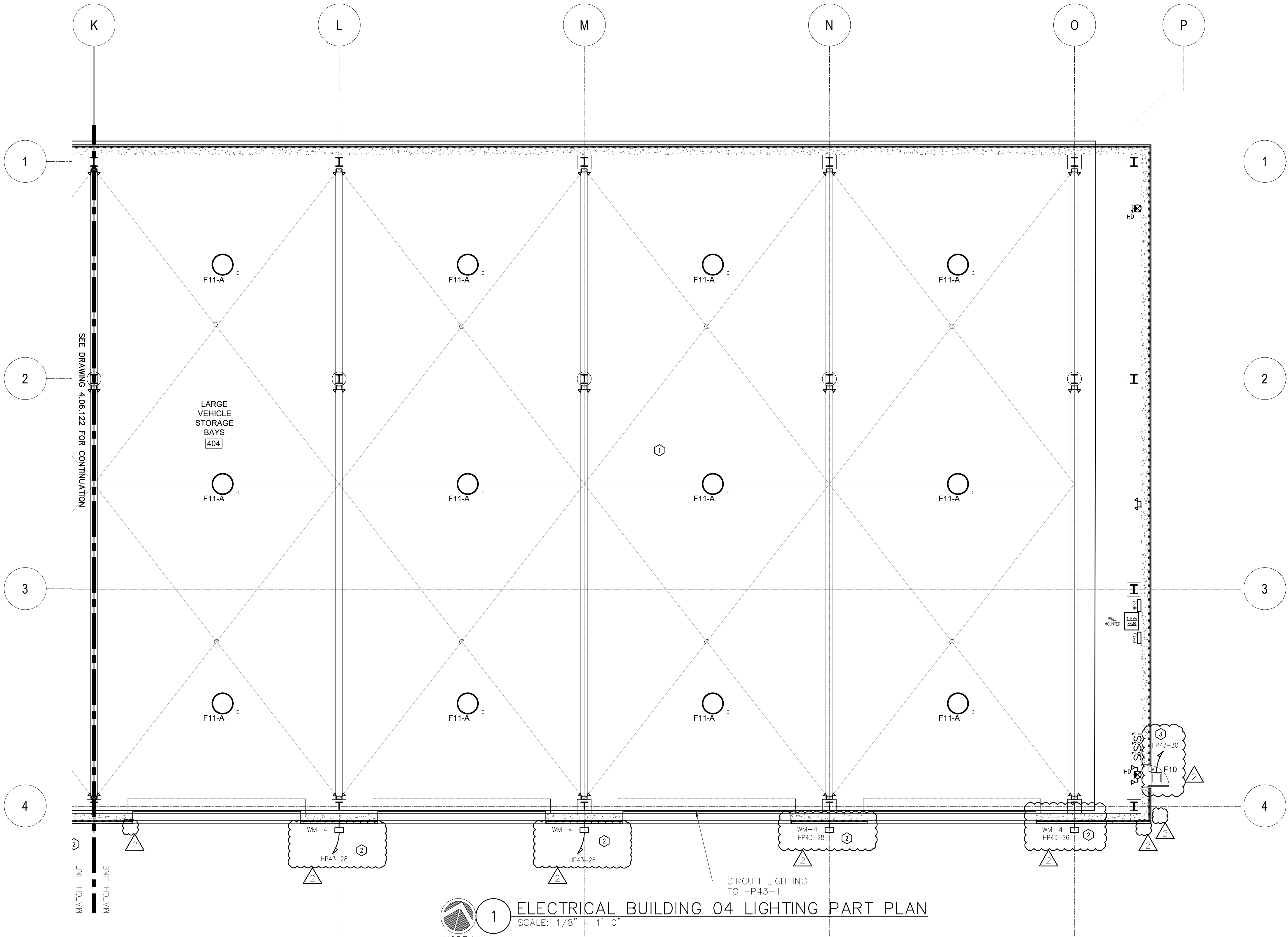
SHEET NAME
**ELECTRICAL BUILDING 04
LIGHTING PART PLAN**

ADDENDUM#14			
1	12/09/19	ADDENDUM 08	VB
No.	DATE	REVISION	BY

PROJECT NO.	130439
SCALE	As indicated
DATE	OCTOBER 30, 2019
DRAWN BY	CT
CHECKED BY	ML
APPROVED BY	DS

ISSUED FOR	BID SET
DRAWING NO.	4.06.122
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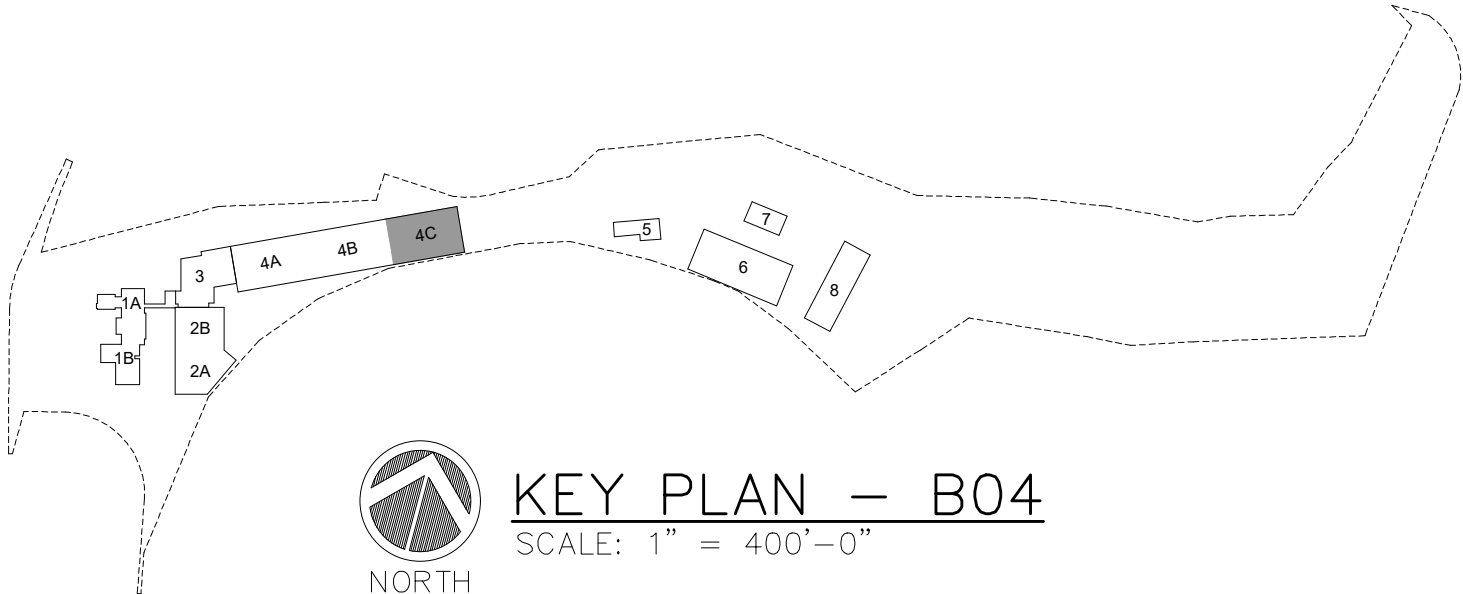
FILE NAME: I:\Projects\MEG\005000.Dwg 14-06-121-2-3.dwg PLOT TIME: Tue, 10 Dec 2019 - 9:47am LAST SAVE: Tue, 10 Dec 2019 - 9:34am BY: dnozz



NOTES:
1.) SEE DRAWINGS 0.06.604 & 0.06.605 FOR LIGHTING FIXTURE SCHEDULE, LIGHTING CONTROL DESIGN INTENT & LIGHTING SYSTEM FUNCTIONAL TESTING/COMMISSIONING NOTES.

LIGHTING CONTROL LEGEND

- ① - LINE VOLTAGE ON/OFF WALL SWITCHING.
- ② - OUTDOOR PHOTOSENSOR AND TIMECLOCK CONTROL.
- ③ - OUTDOOR PHOTOSENSOR CONTROL.



1 ELECTRICAL BUILDING 04 LIGHTING PART PLAN
SCALE: 1/8" = 1'-0"
NORTH

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APPROVED BY	DS																													

FILE NAME: I:\Projects\MEG\NMEG0050.Dwg\34-06-601.dwg PLOT TIME: Tue, 10 Dec 2019 - 9:48am LAST SAVE: Tue, 10 Dec 2019 - 9:35am BY: vdoz

HP41 PANEL SCHEDULE									
MAIN RATING: <u>225A</u>			MAIN C.B.: <u>200A</u>		KAIC RATING: <u>35KAIC</u>				
VOLTAGE: <u>480/277V</u>			PHASE: <u>3</u>		WIRE: <u>4</u>		MOUNTING: <u>SURFACE</u>		
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.		
1	LIGHTING	20	1				2		
3	GX-4-1	15	1	3	*	TRANSFORMER - T41	4		
5	GX-4-2	15	1				6		
7	GX-4-3	15	1				8		
9	OH DOOR - 401B	20	3	3	15	EUH-A	10		
11							12		
13							14		
15	OH DOOR - 401A	20	3	3	20	OH DOOR - 404A	16		
17							18		
19							20		
21	OH DOOR - 404B	20	3	3	20	OH DOOR - 404C	22		
23							24		
25							26		
27	OH DOOR - 404D	20	3	3	45	HV-4-2	28		
29							30		
31				1	20	EXTERIOR LTG - BLDG MOUNT	32		
33	HV-4-1	45	3	1	20	EXTERIOR LTG - BLDG MOUNT	34		
35				1	20	SPARE	36		
37				1	20	SPARE	38		
39	EXTERIOR LIGHTING	20	1	1	20	SPARE	40		
41	SPARE	20	1	1	20	SPARE	42		
LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.									
NOTES:									
1.) * - SEE ONE-LINE DIAGRAM FOR BREAKER SIZE.									

PP41 PANEL SCHEDULE									
MAIN RATING: <u>225A</u>			MAIN C.B.: <u>150A</u>			KAIC RATING: <u>22KAIC</u>			
VOLTAGE: <u>208/120V</u>			PHASE: <u>3</u>		WIRE: <u>4</u>		MOUNTING: <u>SURFACE</u>		
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.		
1	OW-1	20	1	1	20	OW-6	2		
3	OW-4	20	1	1	20	OW-7	4		
5	OW-5	20	1	1	15	GUH-A (2)	6		
7	SPARE	20	1	1	20	SPARE	8		
9	SPARE	20	1	1	20	SPARE	10		
11	RECP WORKSHOP	20	1	1	20	SPARE	12		
13	GUH-A (2)	15	1	1	15	GUH-A (2)	14		
15	MOTORIZED DAMPERS	20	1	1	15	EX-4-1	16		
17	REC - ROOF	20	1	1	20	SPARE	18		
19	MOTORIZED DAMPERS	20	1	1	20	RECP WP/GFI OUTSIDE	20		
21	RECP PARTS STORAGE	20	1	1	20	RECP CORRIDOR	22		
23	RECP LARGE VEHICLE STORAGE BAYS	20	1	1	20	RECP LARGE VEHICLE STORAGE BAYS	24		
25	RECP LARGE VEHICLE STORAGE BAYS	20	1	1	20	HVAC CONTROLS	26		
27	-	-	-	-	-	-	28		
29	-	-	-	-	-	-	30		
31	-	-	-	-	-	-	32		
33	-	-	-	-	-	-	34		
35	SPARE	20	1	1	20	SPARE	36		
37	SPARE	20	1	1	20	SPARE	38		
39	SPARE	20	1	1	20	SPARE	40		
41	SPARE	20	1	1	20	SPARE	42		
LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.									
NOTES:									

HP42 PANEL SCHEDULE									
MAIN RATING: <u>225A</u>			MAIN C.B.: <u>200A</u>			KAIC RATING: <u>14KAIC</u>			
VOLTAGE: <u>480/277V</u>			PHASE: <u>3</u>		WIRE: <u>4</u>		MOUNTING: <u>SURFACE</u>		
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.		
1	LIGHTING	20	1	3	*	TRANSFORMER – T42	2		
3	GX–4–4	15	1				4		
5	GX–4–5	15	1				6		
7	GX–4–6	15	1	3	20	OH DOOR – 404E	8		
9	GX–4–7	15	1				10		
11	GX–4–8	15	1				12		
13	OH DOOR – 404F	20	3	3	20	OH DOOR – 404G	14		
15							16		
17							18		
19	OH DOOR – 404H	20	3	3	20	OH DOOR – 404I	20		
21							22		
23							24		
25	HV–4–3	45	3	3	45	HV–4–4	26		
27							28		
29							30		
31	EXTERIOR LTG – BLDG MOUNT	20	1	–	–	–	32		
33	EXTERIOR LTG – BLDG MOUNT	20	1	–	–	–	34		
35	SPARE	20	1	1	20	SPARE	36		
37	SPARE	20	1	1	20	SPARE	38		
39	SPARE	20	1	1	20	SPARE	40		
41	SPARE	20	1	1	20	SPARE	42		
LK – PROVIDE LOCKING TABS ON C.B.; GF – GFI TYPE C.B.; AF – ARC FAULT TYPE C.B.; ST – SHUNT TRIP C.B.									
NOTES:									
1.) * – SEE ONE–LINE DIAGRAM FOR BREAKER SIZE.									

PP42 PANEL SCHEDULE									
MAIN RATING: <u>225A</u>			MAIN C.B.: <u>150A</u>			KAIC RATING: <u>22KAIC</u>			
VOLTAGE: <u>208/120V</u>			PHASE: <u>3</u>		WIRE: <u>4</u>		MOUNTING: <u>SURFACE</u>		
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.		
1	REC -- ROOF	20	1	1	20	REC -- ROOF	2		
3	SPARE	20	1	1	20	SPARE	4		
5	SPARE	20	1	1	20	SPARE	6		
7	GUH-A (2)	15	1	1	15	GUH-A (2)	8		
9	MOTORIZED DAMPERS	20	1	1	20	RECP WP /GFI OUTSIDE	10		
11	MOTORIZED DAMPERS	20	1	1	20	RECP LARGE VEHICLE STORAGE BAYS	12		
13	SPARE	20	1	1	20	RECP LARGE VEHICLE STORAGE BAYS	14		
15	SPARE	20	1	1	20	RECP LARGE VEHICLE STORAGE BAYS	16		
17	MOTORIZED DAMPERS	20	1	1	20	CO PANEL	18		
19	—	—	—	—	—	—	20		
21	—	—	—	—	—	—	22		
23	—	—	—	—	—	—	24		
25	—	—	—	—	—	—	26		
27	—	—	—	—	—	—	28		
29	—	—	—	—	—	—	30		
31	—	—	—	—	—	—	32		
33	—	—	—	—	—	—	34		
35	SPARE	20	1	1	20	SPARE	36		
37	SPARE	20	1	1	20	SPARE	38		
39	SPARE	20	1	1	20	SPARE	40		
41	SPARE	20	1	1	20	SPARE	42		
LK — PROVIDE LOCKING TABS ON C.B.; GF — GFI TYPE C.B.; AF — ARC FAULT TYPE C.B.; ST — SHUNT TRIP C.B.									
NOTES:									

HP43 PANEL SCHEDULE									
MAIN RATING: <u>225A</u>			MAIN C.B.: <u>200A</u>			KAIC RATING: <u>14KAIC</u>			
VOLTAGE: <u>480/277V</u>			PHASE: <u>3</u>		WIRE: <u>4</u>		MOUNTING: <u>SURFACE</u>		
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.		
1	LIGHTING	20	1				2		
3	GX-4-9	15	1	3	*	TRANSFORMER - T43	4		
5	GX-4-10	15	1				6		
7	GX-4-11	15	1				8		
9	GX-4-12	15	1	3	20	OH DOOR - 404J	10		
11							12		
13	OH DOOR - 404K	20	3				14		
15				3	20	OH DOOR - 404L	16		
17							18		
19	OH DOOR - 404M	20	3				20		
21				3	45	HV-4-6	22		
23							24		
25	HV-4-5	45	3	1	20	EXTERIOR LTG - BLDG MOUNT	26		
27				1	20	EXTERIOR LTG - BLDG MOUNT	28		
29	-	-	-	1	20	BUILDING LIGHTING	30		
31	-	-	-				32		
33	-	-	-	-	-	-	34		
35	SPARE	20	1	1	20	SPARE	36		
37	SPARE	20	1	1	20	SPARE	38		
39	SPARE	20	1	1	20	SPARE	40		
41	SPARE	20	1	1	20	SPARE	42		
LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.									
NOTES: 1.) * - SEE ONE-LINE DIAGRAM FOR BREAKER SIZE.									

FILE NAME: I:\Projects\MEG\NMEG0050.Dwg; 5-08-12.dwg PLOT TIME: Fri, 06 Dec 2019 - 5:24pm LAST SAVE: Fri, 06 Dec 2019 - 5:16pm BY: millis

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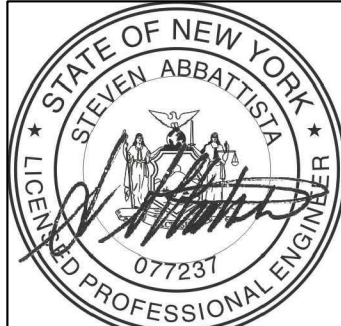
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CAPITAL PROJECT NO. 1307
HIGHWAY DEPARTMENT /
EMERGENCY OPERATIONS FACILITY**
COUNTY OF ROCKLAND, NEW YORK

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ENGINEERING GROUP
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M. G. McLaren Engineering
and Land Surveying P.C.
530 Chestnut Ridge Road, Woodcliff Lake, NJ 07677
T: 201.775.6000 F: 201.746.8522 www.mgmclaren.com



SHEET NAME
**ELECTRICAL BUILDING 05
LIGHTING PLAN**

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PROJECT NO. 130439
SCALE As indicated
DATE OCTOBER 30, 2019
DRAWN BY CT
CHECKED BY ML
APPROVED BY DS

ISSUED FOR
BID SET
DRAWING NO.
5.06.121
OF SHTS

LIGHTING CONTROL LEGEND

- ① - TIME CLOCK WITH OCCUPANCY SENSOR OVERRIDE AFTER HOURS. (NOT USED)
- ② - LINE VOLTAGE ON/OFF WALL SWITCHING.
- ③ - LOW VOLTAGE MANUAL ON WALL SWITCH WITH CEILING MOUNT VACANCY.
- ④ - LOW VOLTAGE WALL SWITCH OCCUPANCY SENSOR.
- ⑤ - OUTDOOR PHOTOSENSOR CONTROL.
- ⑥ - OUTDOOR PHOTOSENSOR AND TIMECLOCK CONTROL.

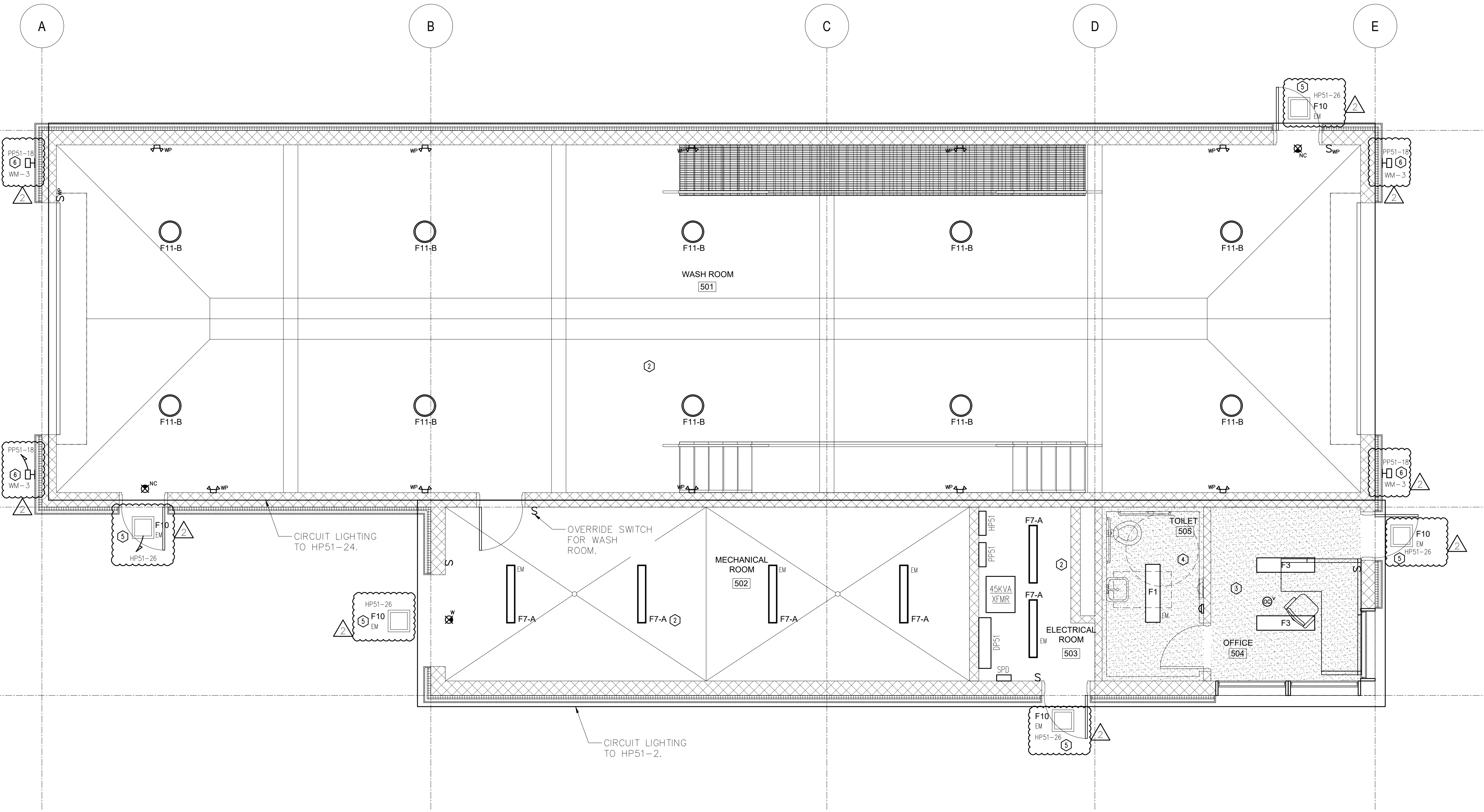
ADD ALTERNATE #1
ALL WORK ASSOCIATED WITH BUILDING 5 SHALL BE PRICED AS PART OF ADD ALTERNATE #1.



ELECTRICAL BUILDING 05 LIGHTING PLAN
SCALE: 1/4" = 1'-0"

- NOTES:**
- SEE DRAWINGS 0.06.604 & 0.06.605 FOR LIGHTING FIXTURE SCHEDULE, LIGHTING CONTROL DESIGN INTENT & LIGHTING SYSTEM FUNCTIONAL TESTING/COMMISSIONING NOTES.
 - ALL CONDUITS IN WASH ROOM AND MECHANICAL ROOM SHALL BE SCHEDULE 80 PVC.

KEY PLAN - B05
SCALE: 1" = 400'-0"



FILE NAME: I:\Projects\MEG\NMEG0050.00.dwg 5-06-601.dwg PLOT TIME: Tue, 10 Dec 2019 - 9:45am LAST SAVE: Tue, 10 Dec 2019 - 9:35am BY: vboez

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CAPITAL PROJECT NO. 1307
HIGHWAY DEPARTMENT /
EMERGENCY OPERATIONS FACILITY
COUNTY OF ROCKLAND, NEW YORK



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SHEET NAME

ELECTRICAL BUILDING 05
SCHEDULES

1	12/09/19	ADDENDUM 08	VB
No.	DATE	REVISION	BY

PROJECT NO. 130439

SCALE As indicated

DATE OCTOBER 30, 2019

DRAWN BY CT

CHECKED BY ML

APPROVED BY DS

ISSUED FOR BID SET

DRAWING NO. 5.06.601

OF SHTS

BUILDING 5 SHOP EQUIPMENT SCHEDULE															
ITEM NO.	QTY	ITEM DESCRIPTION	ELECTRICAL											REMARKS	
			FLAMPS	KW	HP	VOLTS	PHASE	DIRECT	PLUG	NEMA	ELECTRICAL AFF. (IN)	CIRCUIT BREAKER	PANEL		WIRE SIZE
CW-1	1	STEAM CLEANER/PRESSURE WASHER	11	-	-	460	3	X	-	-	18"	3P-30A	HP51-1,3,5	3-#12 & 1-#12 GND IN 3/4"C.	PROVIDE 30A, 600V DISC. SWITCH.
VW-1S	1	MASTER CONTROL PANEL	150	-	-	460	3	X	-	-	-	3P-150A	DP51	3-#1/0 & 1-#6 GND IN 1-1/2"C.	
NOTES:															
1.) COORDINATE ALL ELECTRICAL EQUIPMENT REQUIREMENTS, EXISTING EQUIPMENT, VOLTAGE, PHASE, NEMA RECEPTACLE CONFIGURATION, CONNECTIONS, HEIGHTS, ETC WITH EQUIPMENT PURCHASED.															

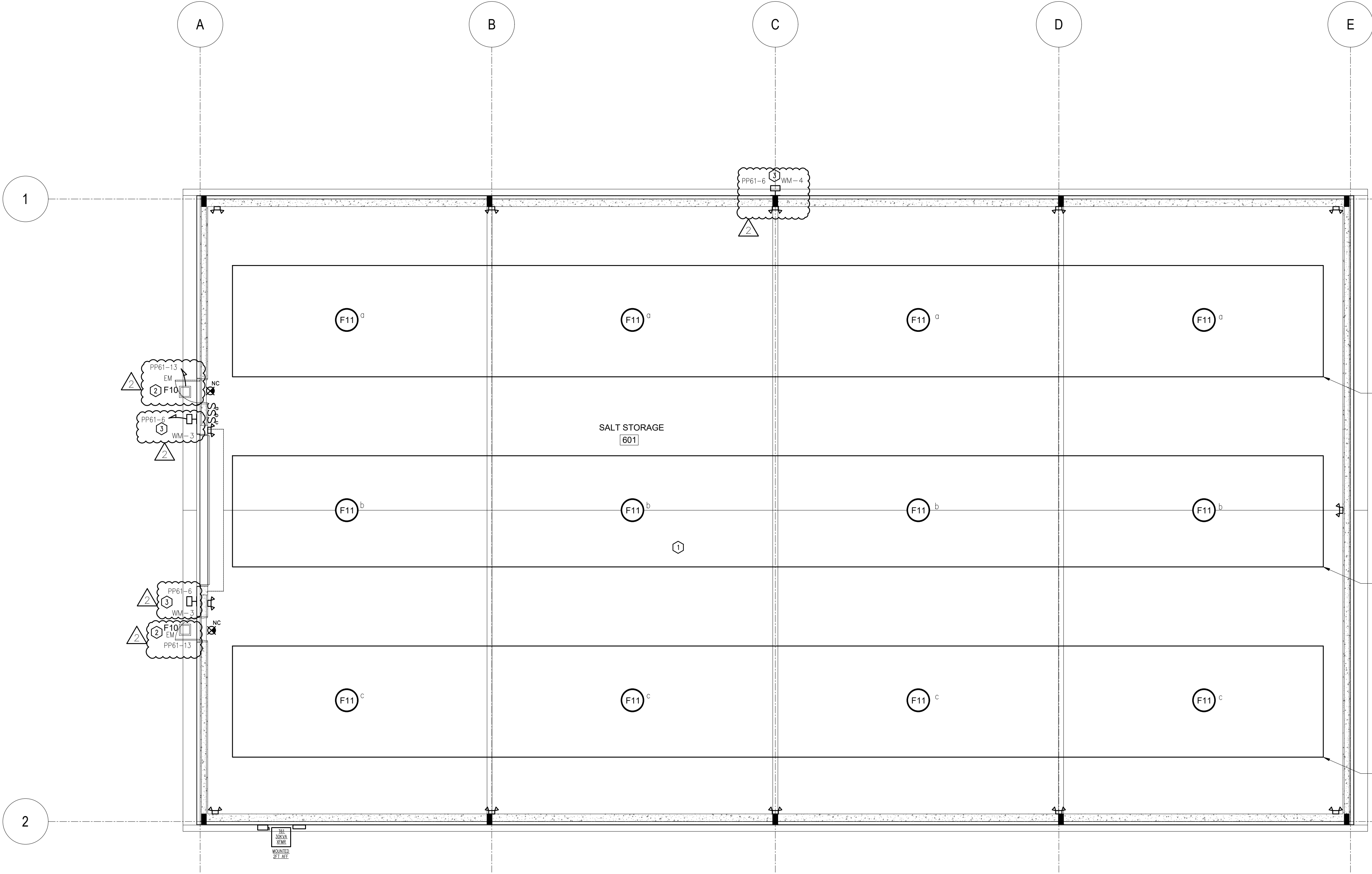
ADD ALTERNATE #1
ALL WORK ASSOCIATED WITH BUILDING 5 SHALL BE PRICED AS PART OF ADD ALTERNATE #1.

HP51 PANEL SCHEDULE									
MAIN RATING: <u>400A</u>			MAIN C.B.: <u>MLO</u>			KAIC RATING: <u>35KAIC</u>			
VOLTAGE: <u>480/277V</u>			PHASE: <u>3</u>		WIRE: <u>4</u>		MOUNTING: <u>SURFACE</u>		
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.		
1	CW-1	30	3	1	20	LIGHTING	2		
3				*	TRANSFORMER - T51	4			
5						6			
7	EUH-A	15	3	3	15	EUH-A	8		
9							10		
11							12		
13	ECUH-A	15	2	3	20	OH DOOR - 501	14		
15							16		
17							18		
19	SPARE	20	1	1	20	EHWH-1 - TOILET 505	20		
21							22		
23							24		
25	-	-	-	1	20	LIGHTING	26		
27	-	-	-	-	-	OUTSIDE LIGHTING	28		
29	-	-	-	-	-	-	30		
31	-	-	-	-	-	-	32		
33	-	-	-	-	-	-	34		
35	SPARE	20	1	1	20	SPARE	36		
37	SPARE	20	1	1	20	SPARE	38		
39	SPARE	20	1	1	20	SPARE	40		
41	SPARE	20	1	1	20	SPARE	42		
LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.									
NOTES: 1.) * - SEE ONE-LINE DIAGRAM FOR BREAKER SIZE.									

PP51 PANEL SCHEDULE							
MAIN RATING: <u>225A</u>		MAIN C.B.: <u>150A</u>		KAIC RATING: <u>22KAIC</u>			
VOLTAGE: <u>208/120V</u>		PHASE: <u>3</u>		WIRE: <u>4</u>		MOUNTING: <u>SURFACE</u>	
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	GUH-A (2)	15	1	1	15	GUH-A (2)	2
3	GUH-A (2)	15	1	1	15	GUH-A	4
5	TX-5-1	15	1	1	20	SPARE	6
7	SPARE	20	1	1	20	SPARE	8
9	RECP WP/GFI OUTSIDE	20	1	1	15	SPARE	10
11	RECP ELECTRICAL ROOM/TOILET	20	1	1	20	RECP MECHANICAL ROOM	12
13	RECP WASH ROOM	20	1	1	20	RECP OFFICE	14
15	ETP(1) - MECHANICAL ROOM 502	20	1	1	20	JBOX TOILET	16
17	REC - MECH RM 502	20	1	1	20	SITE LIGHTING	18
19	HAND DRYER - RM 505	20	1	1	20	DOOR RELEASE - OFFICE 504	20
21	-	-	-	-	-	-	22
23	-	-	-	-	-	-	24
25	-	-	-	-	-	-	26
27	-	-	-	-	-	-	28
29	-	-	-	1	20	FACP-B5	30
31	-	-	-	-	-	-	32
33	-	-	-	-	-	-	34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42
LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.							
NOTES:							

ADDENDUM#14

FILE NAME: I:\Projects\MEG\NMEG0050.00\Drawings\6-06-121.dwg PLOT TIME: Tue, 10 Dec 2019 - 9:48am LAST SAVE: Tue, 10 Dec 2019 - 9:38am BY: vbez



CIRCUIT LIGHTING TO PP61-1.

CIRCUIT LIGHTING TO PP61-9.

CIRCUIT LIGHTING TO PP61-11.

NOTES:
1.) SEE DRAWINGS 0.06.604 & 0.06.605 FOR LIGHTING FIXTURE SCHEDULE, LIGHTING CONTROL DESIGN INTENT & LIGHTING SYSTEM FUNCTIONAL TESTING/COMMISSIONING NOTES.
2.) DUE TO THE CORROSIVE ENVIRONMENT, ALL CONDUITS SHALL BE SCH 80 PVC. ALL ENCLOSURES AND EQUIPMENT SHALL BE NEMA 4X SUITABLE FOR CORROSIVE ENVIRONMENTS.

LIGHTING CONTROL LEGEND

1

 - LINE VOLTAGE ON/OFF WALL SWITCHING.

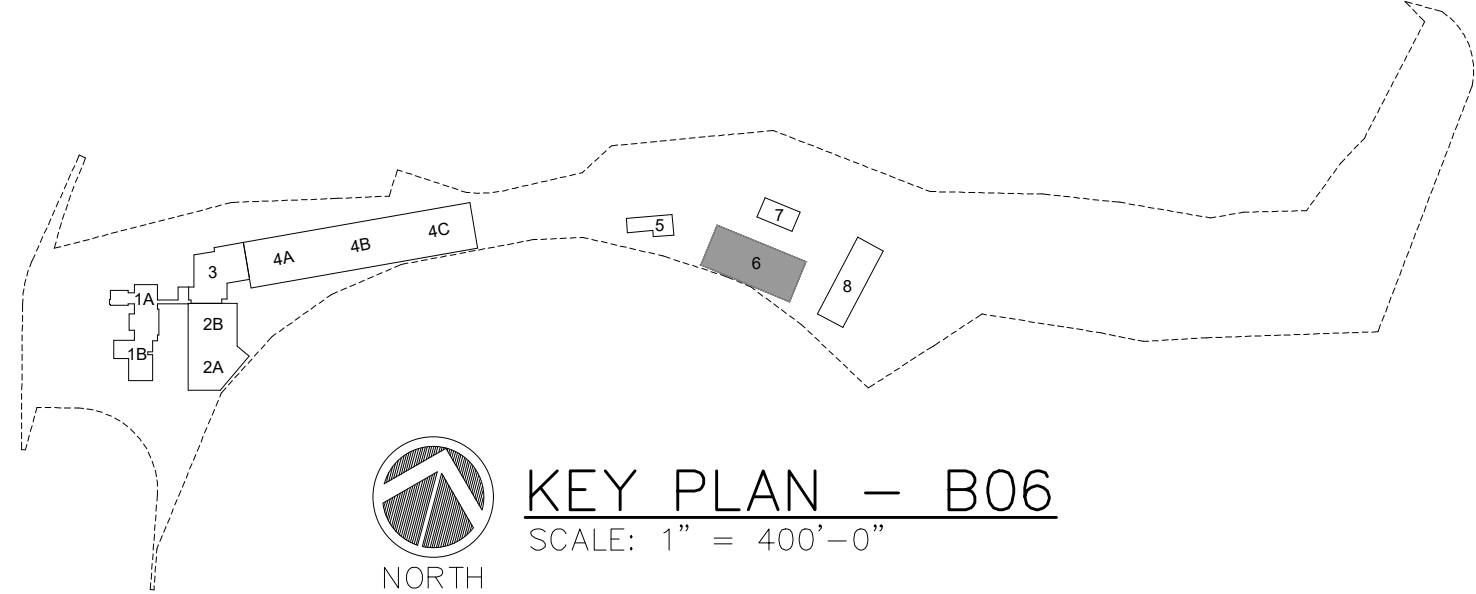
2

 - OUTDOOR PHOTOSENSOR CONTROL.

3

 - OUTDOOR PHOTOSENSOR AND TIMECLOCK CONTROL.

1 **ELECTRICAL BUILDING 06 LIGHTING PLAN**
SCALE: 1/8" = 1'-0"



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STV 100 Years STV Architects, P.C. 225 Park Avenue South New York, NY 10003 (212) 777-4400 FAX: (212) 473-2780 www.stvinc.com	OLA Consulting Engineers 50 Broadway, Hawthorne, NY 10532 914.747.2800 8 West 38th Street, Suite 601 New York, NY 10018 646.848.4110 ola.com NMEG0050.00	Gannett Fleming	IQ Imbiano-Quigley Landscape Architects 31 Monmouth Ave., 7th Floor White Plains, New York 10601 admin@iqlandscape.com (914) 232-6090	PROJECT COUNTY OF ROCKLAND CAPITAL PROJECT NO. 1307 HIGHWAY DEPARTMENT / EMERGENCY OPERATIONS FACILITY COUNTY OF ROCKLAND, NEW YORK	McLaren ENGINEERING GROUP applied ingenuity M. G. McLaren Engineering and Land Surveying P.C. 530 Chestnut Ridge Road, Woodcliff Lake, NJ 07677 T: 201.775.6000 F: 201.746.8522 www.mgmclaren.com		SHEET NAME ELECTRICAL BUILDING 06 LIGHTING PLAN	<table><tr><td>1</td><td>12/09/19</td><td>ADDENDUM 08</td><td>VB</td></tr><tr><td>No.</td><td>DATE</td><td>REVISION</td><td>BY</td></tr></table>	1	12/09/19	ADDENDUM 08	VB	No.	DATE	REVISION	BY	ADDENDUM#14	<table><tr><td>PROJECT NO.</td><td>130439</td></tr><tr><td>SCALE</td><td>As indicated</td></tr><tr><td>DATE</td><td>OCTOBER 30, 2019</td></tr><tr><td>DRAWN BY</td><td>CT</td></tr><tr><td>CHECKED BY</td><td>ML</td></tr><tr><td>APPROVED BY</td><td>DS</td></tr></table>	PROJECT NO.	130439	SCALE	As indicated	DATE	OCTOBER 30, 2019	DRAWN BY	CT	CHECKED BY	ML	APPROVED BY	DS	ISSUED FOR BID SET 6.06.121 OF SHTS
1	12/09/19	ADDENDUM 08	VB																												
No.	DATE	REVISION	BY																												
PROJECT NO.	130439																														
SCALE	As indicated																														
DATE	OCTOBER 30, 2019																														
DRAWN BY	CT																														
CHECKED BY	ML																														
APPROVED BY	DS																														

FILE NAME: I:\Projects\MEG\NMEG0050.00\Drawings\06-601.dwg PLOT TIME: Tue, 10 Dec 2019 - 9:45am LAST SAVE: Tue, 10 Dec 2019 - 9:42am BY: wbez

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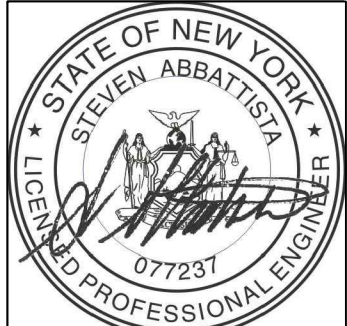
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PROJECT

COUNTY OF ROCKLAND
CAPITAL PROJECT NO. 1307
HIGHWAY DEPARTMENT /
EMERGENCY OPERATIONS FACILITY
COUNTY OF ROCKLAND, NEW YORK



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SHEET NAME

ELECTRICAL BUILDING 06
SCHEDULES

				PROJECT NO.	130439	ISSUED FOR	BID SET
				SCALE	As indicated	DRAWING NO.	
				DATE	OCTOBER 30, 2019		
				DRAWN BY	CT		
				CHECKED BY	ML		
				APPROVED BY	DS		
1	12/09/19	ADDENDUM 08	VB				
No.	DATE	REVISION	BY				

OF

SHTS

PP61 PANEL SCHEDULE

MAIN RATING: <u>125A</u>				MAIN C.B.: <u>100A</u>		KAIC RATING: <u>10KAIC</u>				
VOLTAGE: <u>208/120V</u>				PHASE: <u>3</u>		WIRE: <u>4</u>		MOUNTING: <u>SURFACE</u>		
CIRC. NO.	LOAD DESCRIPTION		BKR. AMPS	NO. OF POLES	NO. OF POLES		BKR. AMPS	LOAD DESCRIPTION		CIRC. NO.
1	LIGHTING		20	1	1	20	RECP WP/GFI OUTSIDE			2
3	OH DOOR – 601A		20	3	1	20	RECP SALT STORAGE			4
5					1	20	SITE LIGHTING			6
7					–	–	–			8
9	LIGHTING		20	1	–	–	–			10
11	LIGHTING		20	1	–	–	–			12
13	BUILDING LIGHTING		20	1	–	–	–			14
15	–		–	–	–	–	–			16
17	–		–	–	–	–	–			18
19	–		–	–	–	–	–			20
21	–		–	–	–	–	–			22
23	–		–	–	–	–	–			24
25	–		–	–	–	–	–			26
27	–		–	–	–	–	–			28
29	–		–	–	–	–	–			30
31	–		–	–	–	–	–			32
33	–		–	–	–	–	–			34
35	SPARE		20	1	1	20	SPARE			36
37	SPARE		20	1	1	20	SPARE			38
39	SPARE		20	1	1	20	SPARE			40
41	SPARE		20	1	1	20	SPARE			42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; AF - ARC FAULT TYPE C.B.;
ST - SHUNT TRIP C.B.

NOTES:
1.) SHALL BE WITHIN NEMA 4X ENCLOSURE

FILE NAME: I:\Projects\MEG\NMEG0050.00.Dwg 8-06-601.dwg PLOT TIME: Fri, 06 Dec 2019 - 5:25pm LAST SAVE: Fri, 06 Dec 2019 - 5:16pm BY: millis

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PROJECT

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SHEET NAME

ELECTRICAL BUILDING 08
SCHEDULES

1	12/09/19	ADDENDUM 08	VB
No.	DATE	REVISION	BY

PROJECT NO. 130439

SCALE As indicated

DATE OCTOBER 30, 2019

DRAWN BY CT

CHECKED BY ML

APPROVED BY DS

ISSUED FOR

BID SET

DRAWING NO.

8.06.601

OF SHTS

PP81 PANEL SCHEDULE

MAIN RATING: 225A MAIN C.B.: 150A KAIC RATING: 22KAIC
VOLTAGE: 208/120V PHASE: 3 WIRE: 4 MOUNTING: SURFACE

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	LIGHTING	20	1	1	20	RECP WP/GFI OUTSIDE	2
3				1	20	RECP STORAGE	4
5	EUH-B	3	15	3	20	OH DOOR - 801E	6
7							8
9							10
11	OH DOOR - 801D	20	3	3	20	OH DOOR - 801C	12
13							14
15							16
17	OH DOOR - 801B	20	3	1	20	RECP INDOORS	18
19				1	20	SITE LIGHTING	20
21	LIGHTING	20	1	1	20	BUILDING LIGHTING	22
23	-	-	-	-	-		24
25	-	-	-	-	-		26
27	-	-	-	-	-		28
29	-	-	-	-	-		30
31	-	-	-	-	-		32
33	-	-	-	-	-		34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; AF - ARC FAULT TYPE C.B.;
ST - SHUNT TRIP C.B.

NOTES:

ADD ALTERNATE #2
ALL WORK ASSOCIATED WITH BUILDING
8 SHALL BE PRICED AS PART OF ADD
ALTERNATE #2.