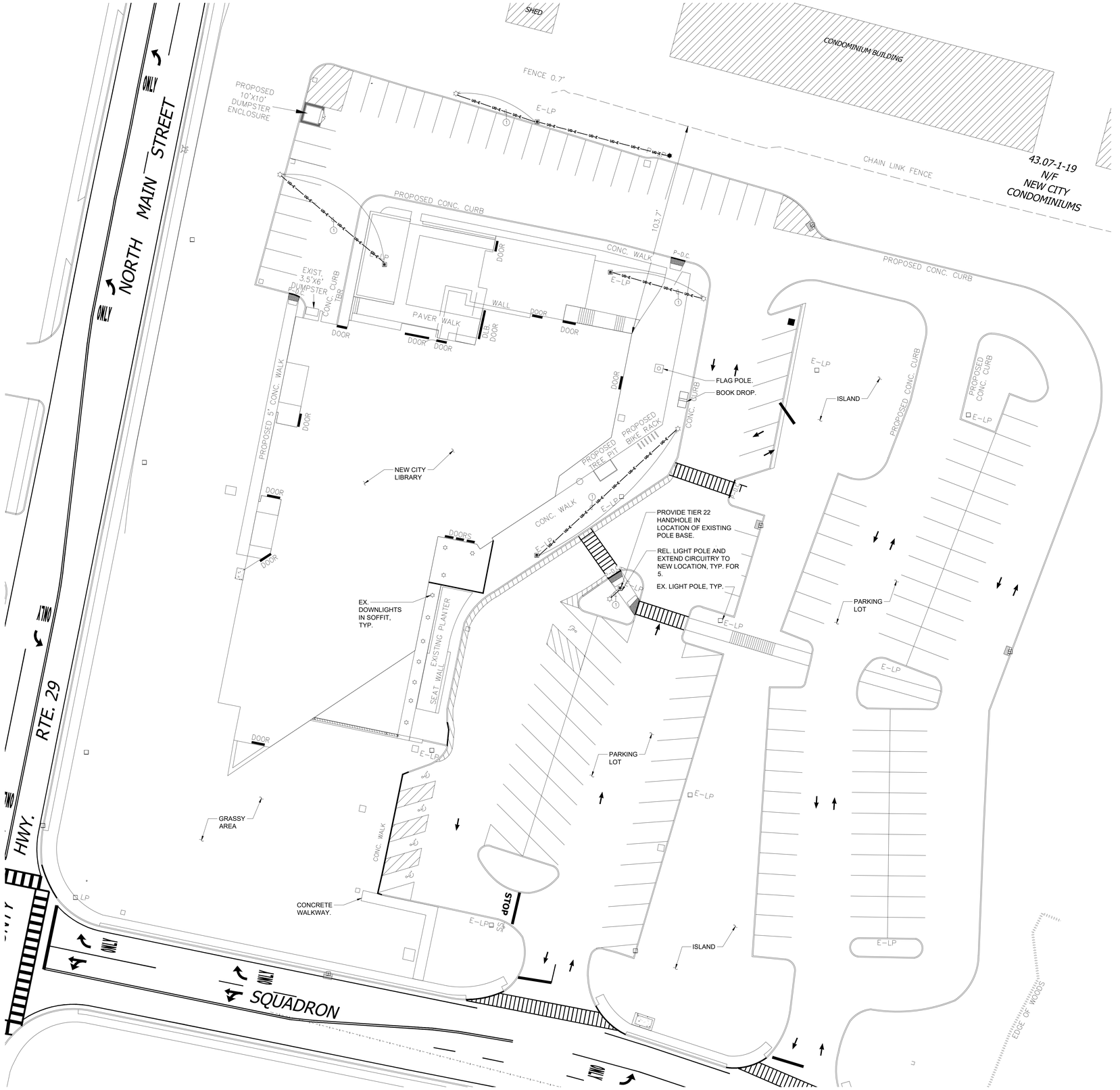
WIRING/CONDUIT LEGEND:

① 2-#10 & 1-#10 GND IN 1"C.

TRENCHING NOTES

1. CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES THAT ARE NOT PART OF N.Y. STATE "CODE 753" PRIOR TO DIGGING.
2. ALL EXCAVATING IN THE AREA OF THE EXISTING UNDERGROUND EQUIPMENT, PIPES AND CONDUITS SHALL BE PERFORMED BY HAND.
3. ANY AREA/PLANTS OR LANDSCAPING OR PAVEMENTS DISTURBED DURING THE EXCAVATION SHALL BE RESTORED OR REPLACED TO MATCH EXISTING CONDITIONS BY THE CONTRACTOR AT NO COST TO THE OWNER.
4. ANY EXISTING BURIED CONDUITS, DRAINAGE, SPRINKLER PIPING, ETC. THAT IS DISTURBED AND/OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
5. THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY OR MAY NOT BE SHOWN; AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 48 HOURS BEFORE YOU DIG, DRILL OR BLAST, CALL 1-800-962-7962 (NY STATE).



NORTH

1 ELECTRICAL SITE PLAN
SCALE: 1" = 30'-0"

VMDO

VMDO Architects
vmdo.com
434.296.5684

200 E Market Street, Charlottesville, VA 22902
1200 18th Street NW Ste 700, Washington, DC 20036

OLA Consulting Engineers
60 Broadway, Hawthorne, New York 10532
914.747.2800
8 West 38th Street, Suite 501 New York, NY 10018
646.849.4110
olace.com

OLA Project Number: NVMD0001.00

New City Library

New City Library

New City Library Addition & Renovation

220 North Main Street
New City, NY 10956

STATE OF NEW YORK · BARBARA JILL WALSH · 075260 · LICENSED PROFESSIONAL ENGINEER

Checked By	ML
Drawn By	VB

ISSUES AND REVISIONS

NO.	SUBMITTAL	DATE
4	ADDENDUM 1	02.01.2022

ELECTRICAL SITE PLAN

4

E-100

CONSTRUCTION DOCUMENTS
01.14.2022

VMDO

VMDO Architects
vmdo.com
434.296.5684

200 E Market Street
Charlottesville, VA 22902

1200 18th Street NW Ste 700
Washington, DC 20036

OLA Consulting Engineers
50 Broadway, Hawthorne, New York 10532
914.747.2800
8 West 38th Street, Suite 501
New York, NY 10018
646.849.4110
olace.com

New City Library

Owner

New City Library Addition & Renovation

220 N Main St, New City, NY 10956

Client Project Number

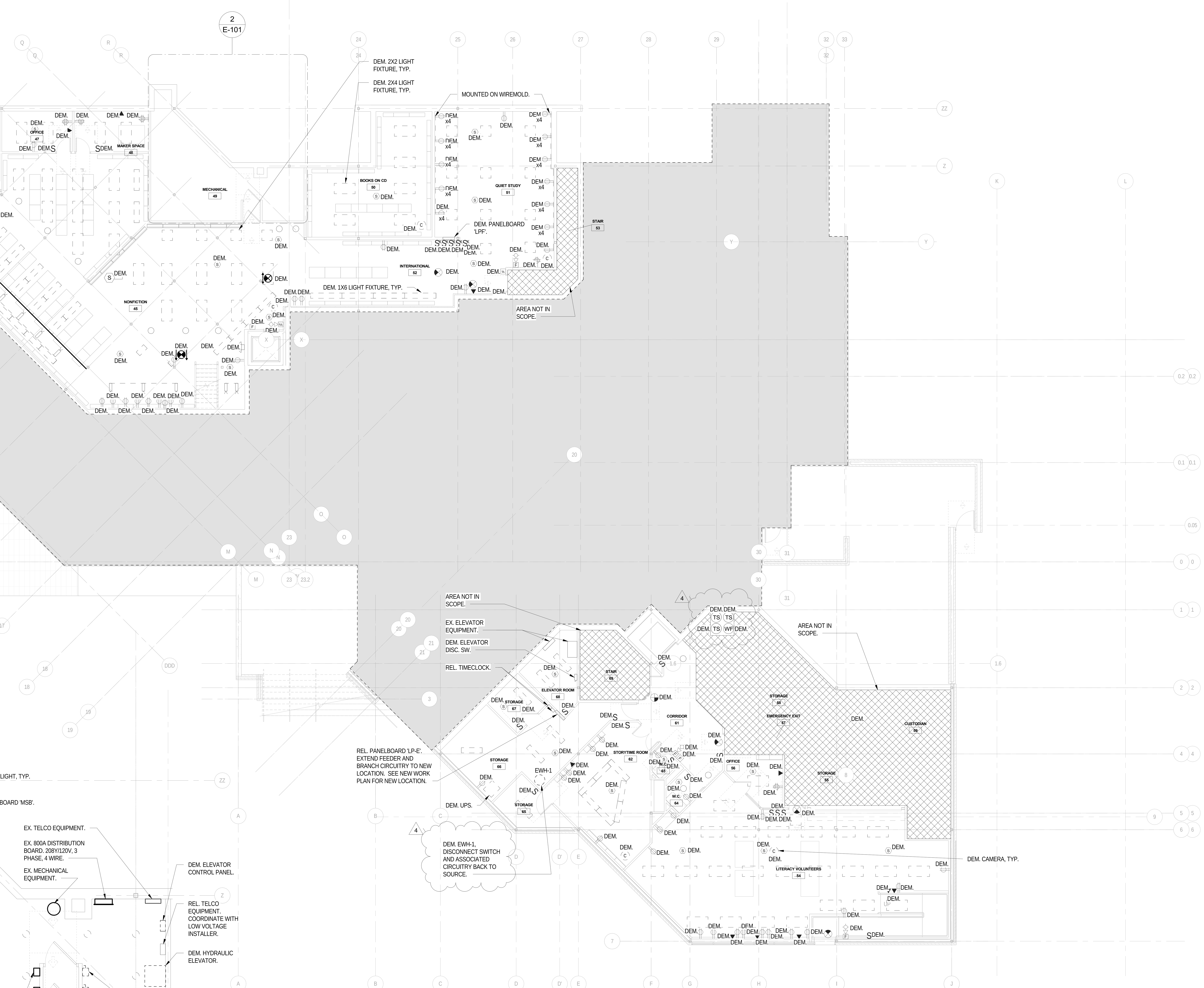
VMDO Project Number NVMD0001.00

Checked By ML

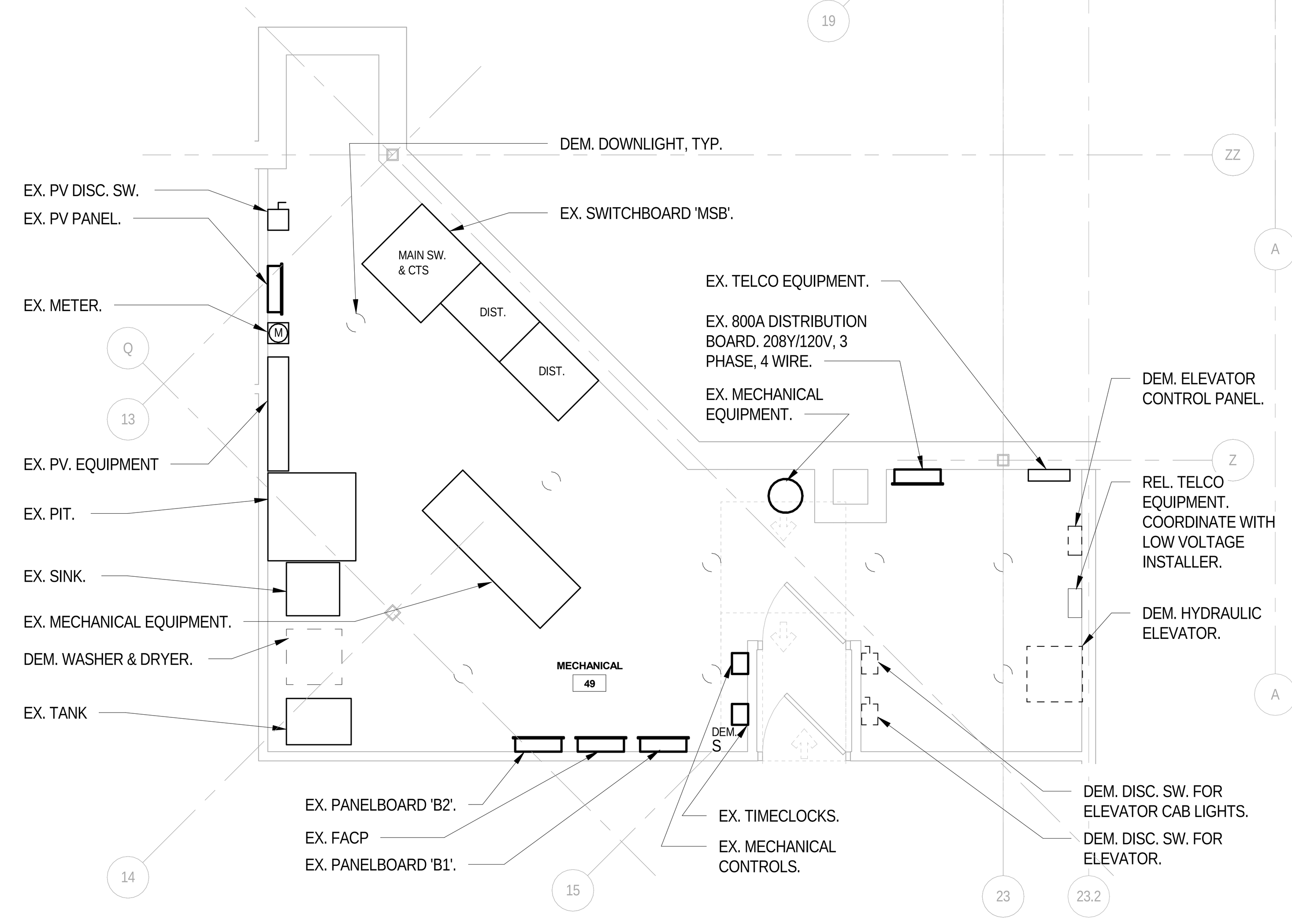
Drawn By VB

ISSUES AND REVISIONS

NO.	SUBMITTAL	DATE
1	DESIGN DEVELOPMENT	07.09.2021
2	60% CONSTRUCTION DOCUMENTS	11.12.2021
3	100% CONSTRUCTION DOCUMENTS	01.14.2022
4	ADDENDUM 1	02.01.2022



1 ELECTRICAL LOWER LEVEL DEMOLITION
SCALE: 1/8" = 1'-0"
NORTH



2 ELECTRICAL LOWER LEVEL DEMOLITION MER PART PLAN
SCALE: 1/4" = 1'-0"
NORTH

ELECTRICAL LOWER LEVEL DEMOLITION PLAN

E-101

CONSTRUCTION DOCUMENTS
01.14.2022

LIGHTING CONTROL LEGEND:

1. TIMECLOCK WITH OCCUPANCY CONTROLS AFTER HOURS.
2. LOW VOLTAGE CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH MANUAL ON/OFF SWITCH.
3. LOW VOLTAGE CEILING MOUNTED DUAL TECHNOLOGY VACANCY SENSOR WITH MANUAL ON/OFF SWITCH.
4. LOW VOLTAGE CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR.
5. LINE VOLTAGE MANUAL ON/OFF SWITCH.
6. LOW VOLTAGE WALL MOUNTED DUAL TECHNOLOGY VACANCY SENSOR.
7. WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH WALL MOUNTED SWITCH.

CIRCUIT LIGHTING TO LPF-19.

CIRCUIT LIGHTING TO LPF-21.

CIRCUIT LIGHTING TO LPF-23.

CONTRACTOR CIRCUIT EXISTING LIGHTING AS INDICATED.

CIRCUIT LIGHTING TO LPF-23.

EX. PANELBOARD 'LPF'.

AREA NOT IN SCOPE.

AREA NOT IN SCOPE. RECIRCUIT EXISTING LIGHTING AS INDICATED.

STAFF LOBBY 010H AND CORRIDOR 012H OVERRIDE SWITCH.

CIRCUIT LIGHTING TO PP1-30.

CIRCUIT LIGHTING TO PP1-26.

CIRCUIT LIGHTING TO PP1-28.

DESIGN INTENT - LIGHTING CONTROL SYSTEM:

1.) LIGHTING CONTROL SYSTEM IS BASED ON N-LIGHT BY SENSOR SWITCH (KAREN BLACKMAN (212) 462-0088 x5237) OR APPROVED EQUAL. (OTHER ACCEPTABLE MANUFACTURERS ARE LUTRON & COOPER LIGHTING.)

2.) LIGHTING CONTROL COMPONENTS SHOWN ARE FOR GENERAL DESIGN INTENT. ALL COMPONENTS AND WIRING ARE NOT SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR A DELEGATED DESIGN INCLUDING ALL NECESSARY COMPONENTS, WIRING (LINE AND LOW VOLTAGE) AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. CONTRACTOR IS RESPONSIBLE FOR DELEGATED DESIGN OF SYSTEM BASED ON THE DESIGN INTENT INCLUDED ON THESE DRAWINGS.

3.) THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE LIGHTING CONTROLS WITH LIGHT FIXTURES.

4.) ALL LIGHT FIXTURE AND LIGHTING CONTROL SUBMITTALS SHALLBE SUBMITTED AT THE SAME TIME FOR APPROVAL.

5.) EXTERIOR MOUNTED LIGHT FIXTURES ARE TO BE CONTROLLED VIA PHOTOCELL AND TIME CLOCK WITH MANUAL OVERRIDE SWITCH.

1 NORTH

ELECTRICAL LOWER LEVEL LIGHTING PLAN

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

VMDO

VMDO Architects
vmdo.com
434.296.5684

200 E Market Street
Charlottesville, VA 22902

1200 18th Street NW Ste 700
Washington, DC 20036

OLA Consulting Engineers

50 Broadway, Hawthorne,
New York 10532
914.747.2800

8 West 38th Street,
Suite 501
New York, NY 10018
646.849.4110

olace.com

New City Library

Owner

New City Library Addition & Renovation

220 N Main St, New City, NY 10956

Client Project Number

VMDO Project Number NVMD0001.00

Checked By ML

Drawn By VB

ISSUES AND REVISIONS

NO.	SUBMITTAL	DATE
1	DESIGN DEVELOPMENT	07.09.2021
2	60% CONSTRUCTION DOCUMENTS	11.12.2021
3	100% CONSTRUCTION DOCUMENTS	01.14.2022
4	ADDENDUM 1	02.01.2022

ELECTRICAL LOWER LEVEL NEW WORK RCP

E-201

CONSTRUCTION DOCUMENTS
01.14.2022

4

LIGHTING CONTROL LEGEND:

1. TIMECLOCK WITH OCCUPANCY CONTROLS AFTER HOURS.
2. LOW VOLTAGE CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH MANUAL ON/OFF SWITCH.
3. LOW VOLTAGE CEILING MOUNTED DUAL TECHNOLOGY VACANCY SENSOR WITH MANUAL ON/OFF SWITCH.
4. LOW VOLTAGE WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR.
5. LINE VOLTAGE MANUAL ON/OFF SWITCH.
6. LOW VOLTAGE WALL MOUNTED DUAL TECHNOLOGY VACANCY SENSOR.
7. WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH WALL MOUNTED SWITCH.
8. TIMECLOCK WITH OCCUPANCY CONTROLS AFTER HOURS AND MASTER SWITCH IN CIRCULATION AREA.

DESIGN INTENT - LIGHTING CONTROL SYSTEM:

1.) LIGHTING CONTROL SYSTEM IS BASED ON N-LIGHT BY SENSOR SWITCH (KAREN BLACKMAN (212) 462-0088 x5237) OR APPROVED EQUAL. (OTHER ACCEPTABLE MANUFACTURERS ARE LUTRON & COOPER LIGHTING.)

2.) LIGHTING CONTROL COMPONENTS SHOWN ARE FOR GENERAL DESIGN INTENT. ALL COMPONENTS AND WIRING ARE NOT SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR A DELEGATED DESIGN INCLUDING ALL NECESSARY COMPONENTS, WIRING (LINE AND LOW VOLTAGE) AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. CONTRACTOR IS RESPONSIBLE FOR DELEGATED DESIGN OF SYSTEM BASED ON THE DESIGN INTENT INCLUDED ON THESE DRAWINGS.

3.) THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE LIGHTING CONTROLS WITH LIGHT FIXTURES.

4.) ALL LIGHT FIXTURE AND LIGHTING CONTROL SUBMITTALS SHALLBE SUBMITTED AT THE SAME TIME FOR APPROVAL.

5.) EXTERIOR MOUNTED LIGHT FIXTURES ARE TO BE CONTROLLED VIA PHOTOCELL AND TIME CLOCK WITH MANUAL OVERRIDE SWITCH.

1 ELECTRICAL MAIN LEVEL LIGHTING PLAN

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

NORTH

VMDO

VMDO Architects
vmdo.com
434.296.5684

200 E Market Street
Charlottesville, VA 22902

1200 18th Street NW Ste 700
Washington, DC 20036

OLA CONSULTING ENGINEERS

OLA Consulting Engineers
50 Broadway, Hawthorne, New York 10532
914.747.2800

8 West 38th Street, Suite 501
New York, NY 10018
646.849.4110

olace.com

New City Library

Owner

New City Library Addition & Renovation

220 N Main St, New City, NY 10956

Client Project Number
VMDO Project Number NVMD0001.00

Checked By ML
Drawn By VB

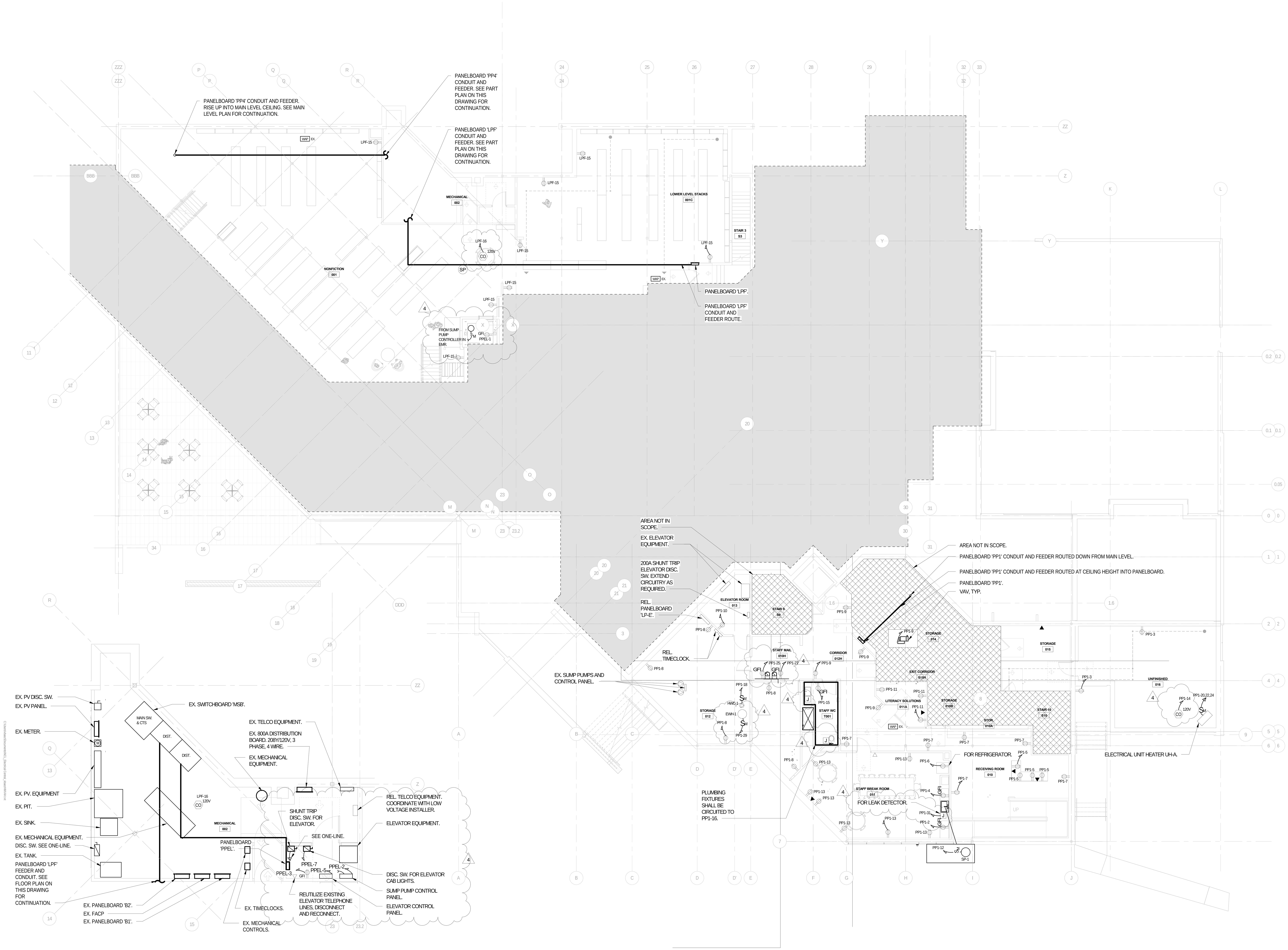
ISSUES AND REVISIONS

NO.	SUBMITTAL	DATE
1	DESIGN DEVELOPMENT	07.09.2021
2	60% CONSTRUCTION DOCUMENTS	11.12.2021
3	100% CONSTRUCTION DOCUMENTS	01.14.2022
4	ADDENDUM 1	02.01.2022

ELECTRICAL MAIN LEVEL
NEW WORK RCP

E-202

CONSTRUCTION DOCUMENTS
01.14.2022



2 ELECTRICAL LOWER LEVEL NEW WORK MER PART PLAN
SCALE: 1/4" = 1'-0"
NORTH

1 ELECTRICAL LOWER LEVEL NEW WORK
SCALE: 1/8" = 1'-0"
NORTH

VMDO
VMDO Architects
vmdo.com
434.296.5684
200 E Market Street, Charlottesville, VA 22902 | 1200 18th Street NW Ste 700, Washington, DC 20036

OLA Consulting Engineers
50 Broadway, Hawthorne, New York 10532
914.747.2800
8 West 38th Street, Suite 501
New York, NY 10018
646.849.4110
olace.com

New City Library

Owner

New City Library Addition & Renovation

220 N Main St, New City, NY 10956

Client Project Number
VMDO Project Number NVMD0001.00

Checked By ML
Drawn By VB

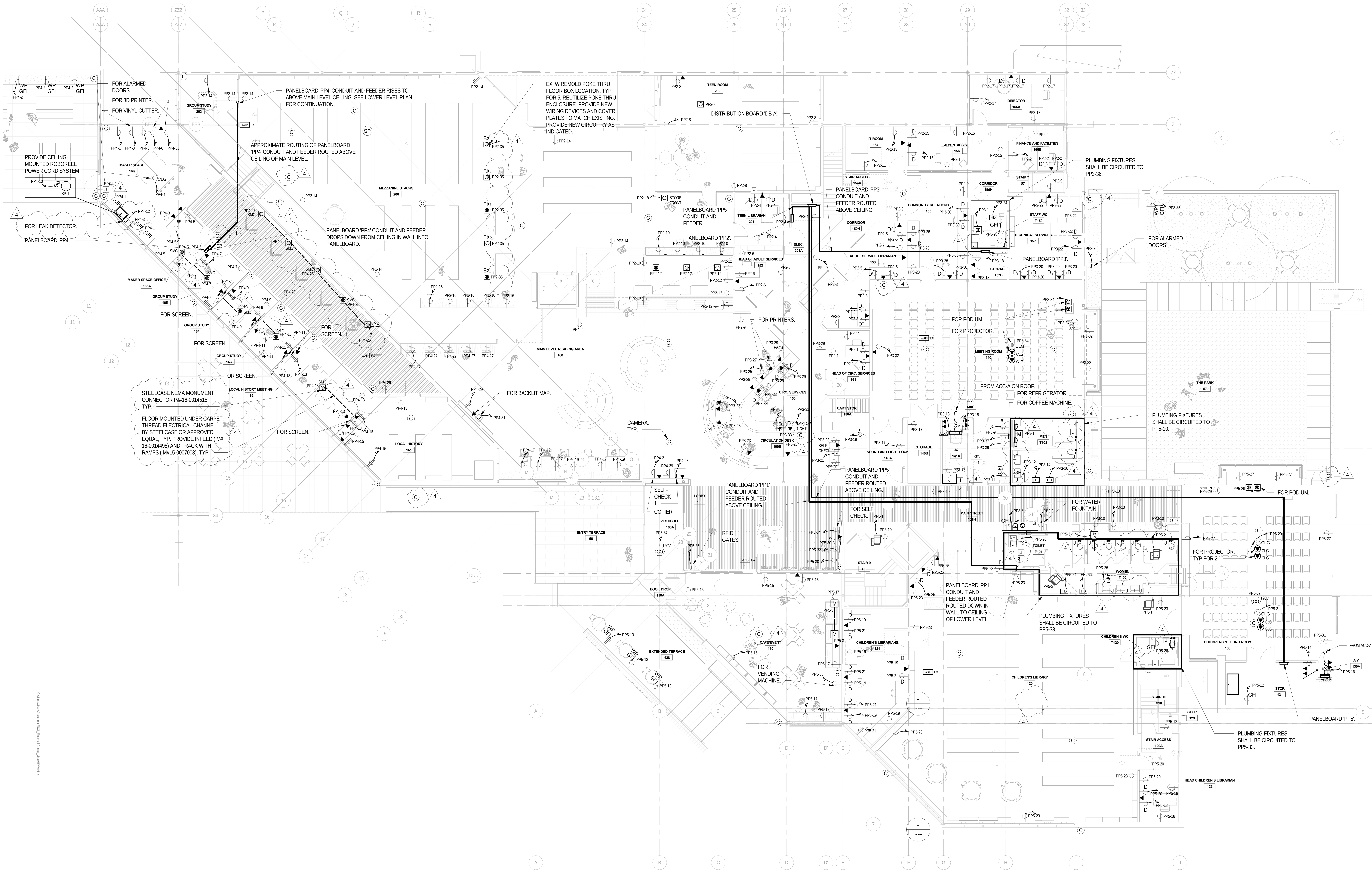
ISSUES AND REVISIONS

NO.	SUBMITTAL	DATE
1	DESIGN DEVELOPMENT	07.09.2021
2	60% CONSTRUCTION DOCUMENTS	11.12.2021
3	100% CONSTRUCTION DOCUMENTS	01.14.2022
4	ADDENDUM 1	02.01.2022

ELECTRICAL LOWER LEVEL NEW WORK PLAN

E-301

CONSTRUCTION DOCUMENTS
01.14.2022



ELECTRICAL MAIN LEVEL NEW WORK

NORTH

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

VMDO

VMDO Architects
vmdo.com
434.296.5684

200 E Market Street
Charlottesville, VA 22902

1200 18th Street NW Ste 700
Washington, DC 20036

OLA Consulting Engineers
50 Broadway, Hawthorne, New York 10532
914.747.2800
8 West 38th Street, Suite 501
New York, NY 10018
646.849.4110
olace.com

New City Library

Owner

New City Library Addition & Renovation

220 N Main St, New City, NY 10956

Client Project Number

VMDO Project Number NVMD0001.00

Checked By ML

Drawn By VB

ISSUES AND REVISIONS

NO.	SUBMITTAL	DATE
1	DESIGN DEVELOPMENT	07.09.2021
2	60% CONSTRUCTION DOCUMENTS	11.12.2021
3	100% CONSTRUCTION DOCUMENTS	01.14.2022
4	ADDENDUM 1	02.01.2022

ELECTRICAL MAIN LEVEL NEW WORK PLAN

E-302

CONSTRUCTION DOCUMENTS

01.14.2022

NOTES:

1.) CONTRACTOR SHALL PROVIDE (1) 1P-20A CIRCUIT FOR BIPOLAR IONIZATION FOR EACH EX. RTU. CIRCUIT TO NEAREST PANELBOARD. CONTRACTOR SHALL ALLOW 150' OF 2-#12 & 1-#12 GND IN 3/4"C PER CIRCUIT.

NORTH

1 ELECTRICAL MEZZANINE ROOF

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

VMDO

VMDO Architects
vmdo.com
434.296.5684

200 E Market Street
Charlottesville, VA 22902

1200 18th Street NW Ste 700
Washington, DC 20036

OLA Consulting Engineers

50 Broadway, Hawthorne,
New York 10532
914.747.2800

8 West 38th Street,
Suite 501
New York, NY 10018
646.849.4110

olace.com

New City Library

Owner

New City Library Addition & Renovation

220 N Main St, New City, NY 10956

Client Project Number

VMDO Project Number NVMD0001.00

Checked By Checker

Drawn By Author

ISSUES AND REVISIONS

NO.	SUBMITTAL	DATE
1	DESIGN DEVELOPMENT	07.09.2021
2	60% CONSTRUCTION DOCUMENTS	11.12.2021
3	100% CONSTRUCTION DOCUMENTS	01.14.2022
4	ADDENDUM 1	02.01.2022

ELECTRICAL ROOF NEW WORK PLAN

E-303

CONSTRUCTION DOCUMENTS

01.14.2022

1 NORTH

FIRE ALARM LOWER LEVEL NEW WORK

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

VMDO

VMDO Architects
vmdo.com
434.296.5684

200 E Market Street
Charlottesville, VA 22902

1200 18th Street NW Ste 700
Washington, DC 20036

OLA Consulting Engineers

50 Broadway, Hawthorne,
New York 10532
914.747.2800

8 West 38th Street,
Suite 501
New York, NY 10018
646.849.4110

olace.com

New City Library

Owner

New City Library Addition & Renovation

220 N Main St, New City, NY 10956

Client Project Number

VMDO Project Number NVMD0001.00

Checked By ML

Drawn By VB

ISSUES AND REVISIONS

NO.	SUBMITTAL	DATE
1	DESIGN DEVELOPMENT	07.09.2021
2	60% CONSTRUCTION DOCUMENTS	11.12.2021
3	100% CONSTRUCTION DOCUMENTS	01.14.2022
4	ADDENDUM 1	02.01.2022

FIRE ALARM LOWER LEVEL NEW WORK PLAN

E-401

CONSTRUCTION DOCUMENTS

01.14.2022

FIRE ALARM MAIN LEVEL NEW WORK

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

NORTH

VMDO

VMDO Architects
vmdo.com
434.296.5684

200 E Market Street
Charlottesville, VA 22902

1200 18th Street NW Ste 700
Washington, DC 20036

OLA Consulting Engineers

50 Broadway, Hawthorne,
New York 10532
914.747.2800

8 West 38th Street,
Suite 501
New York, NY 10018
646.849.4110

olace.com

New City Library

Owner

New City Library Addition & Renovation

220 N Main St, New City, NY 10956

Client Project Number
VMDO Project Number NVMD0001.00

Checked By ML
Drawn By VB

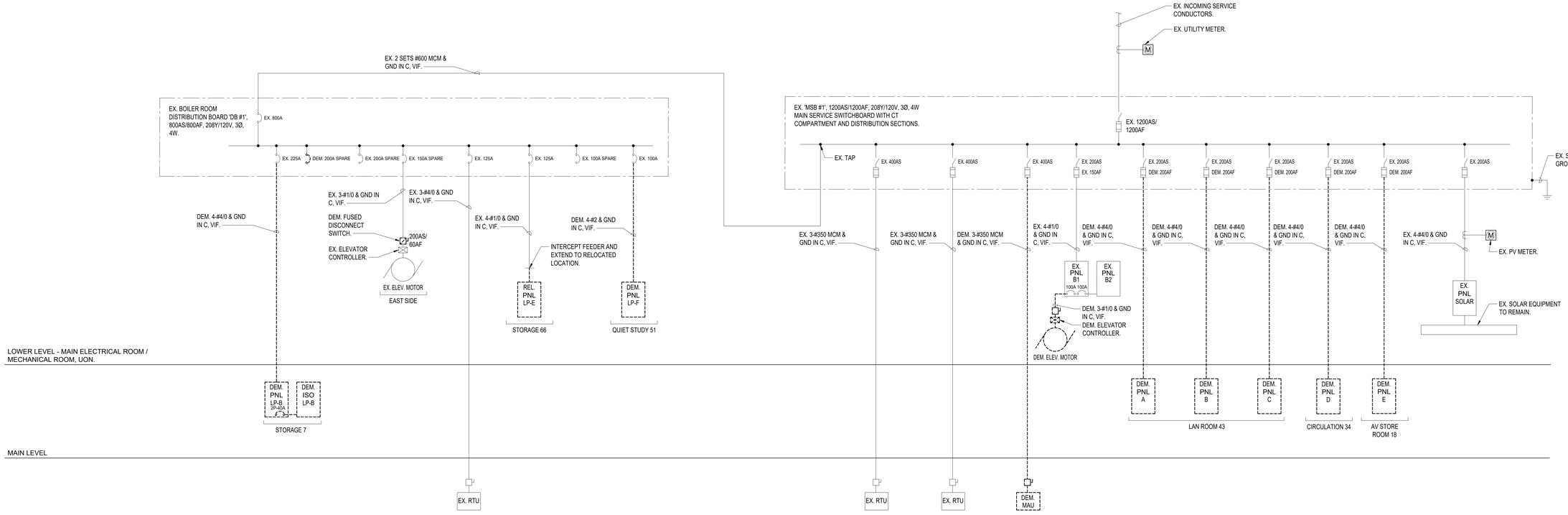
ISSUES AND REVISIONS

NO.	SUBMITTAL	DATE
1	DESIGN DEVELOPMENT	07.09.2021
2	60% CONSTRUCTION DOCUMENTS	11.12.2021
3	100% CONSTRUCTION DOCUMENTS	01.14.2022
4	ADDENDUM 1	02.01.2022

FIRE ALARM MAIN LEVEL NEW WORK PLAN

E-402

CONSTRUCTION DOCUMENTS
01.14.2022



1 ELECTRICAL DEMOLITION ONE-LINE DIAGRAM

SCALE: NONE

ONE–LINE NOTES:

1.) ALL CIRCUIT BREAKERS ARE 3 POLE, U.O.N.

VMDO

VMDO Architects
vmdo.com
434.296.5684

200 E Market Street
Charlottesville, VA 22902

1200 18th Street NW Ste 700
Washington, DC 20036

OLA Consulting Engineers
60 Broadway, Hawthorne, New York 10532
914.747.2800

6 West 38th Street, Suite 501
New York, NY 10018
646.649.4110

olaca.com

OLA Project Number: NVMD0001.00

New City Library

New City Library

New City Library Addition & Renovation

220 North Main Street
New City, NY 10956

STATE OF NEW YORK · BARBARA JILL WALSH · 075260 · LICENSED PROFESSIONAL ENGINEER

Checked By	ML
Drawn By	VB

ISSUES AND REVISIONS

NO.	SUBMITTAL	DATE
	DESIGN DEVELOPMENT	07.09.2021
	60% CONSTRUCTION DOCUMENTS	11.12.2021
	100% CONSTRUCTION DOCUMENTS	01.14.2022
1	ADDENDUM 1	02.01.2022

ELECTRICAL DEMOLITION ONE-LINE DIAGRAM

1

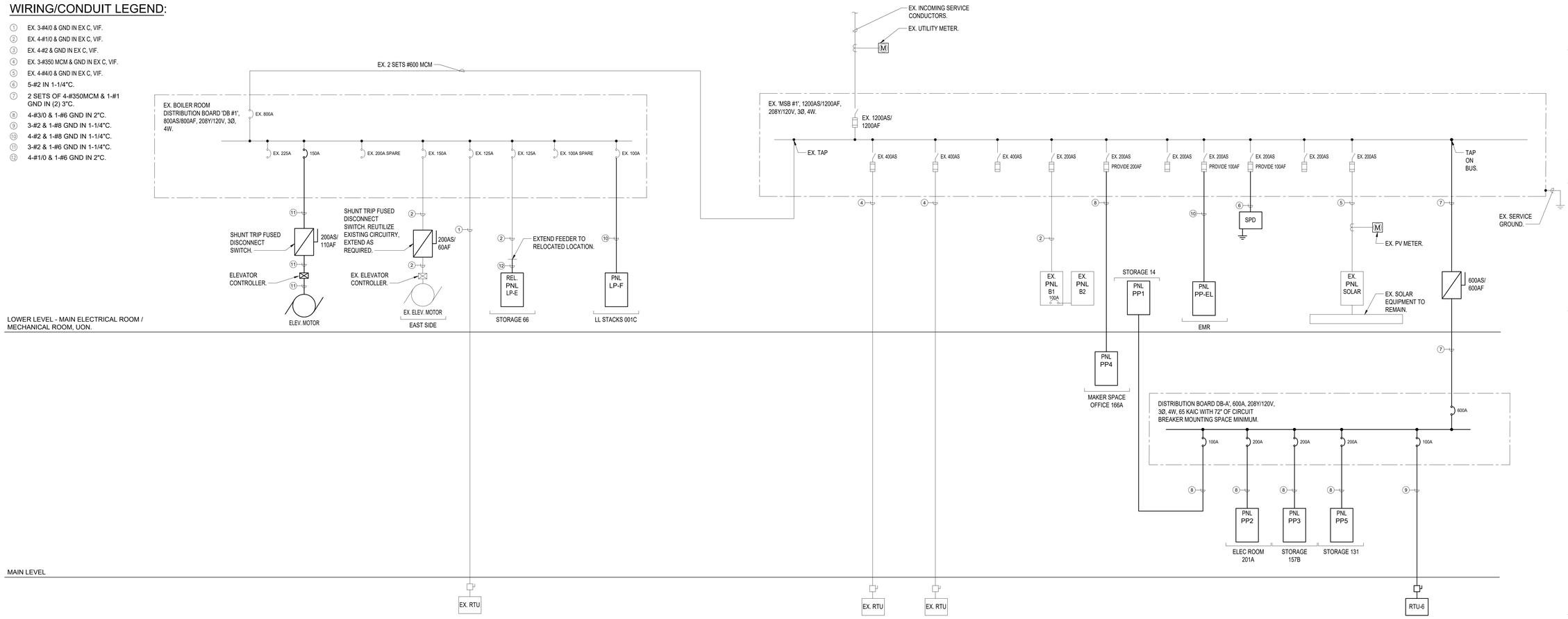
E-501

CONSTRUCTION DOCUMENTS

01.14.2022

WIRING/CONDUIT LEGEND:

1. EX. 3-#4/0 & GND IN EX C, VIF.
2. EX. 4-#1/0 & GND IN EX C, VIF.
3. EX. 4-#2 & GND IN EX C, VIF.
4. EX. 3-#350 MCM & GND IN EX C, VIF.
5. EX. 4-#4/0 & GND IN EX C, VIF.
6. 5-#2 IN 1-1/4"C.
7. 2 SETS OF 4-#350MCM & 1-#1 GND IN (2) 3"C.
8. 4-#3/0 & 1-#6 GND IN 2"C.
9. 3-#2 & 1-#8 GND IN 1-1/4"C.
10. 4-#2 & 1-#8 GND IN 1-1/4"C.
11. 3-#2 & 1-#6 GND IN 1-1/4"C.
12. 4-#1/0 & 1-#6 GND IN 2"C.



1 ELECTRICAL NEW WORK ONE-LINE DIAGRAM
SCALE: NONE

ONE–LINE NOTES:

1.) ALL CIRCUIT BREAKERS ARE 3 POLE, U.O.N.

2.) CONTRACTOR SHALL PROVIDE A #3/0 BONDING JUMPER BETWEEN THE EXISTING BUILDING STEEL AND THE ADDITION BUILDING STEEL.

VMDO

VMDO Architects
vmdo.com
434.296.5684

200 E Market Street
Charlottesville, VA 22902

1200 18th Street NW Ste 700
Washington, DC 20036

OLA Consulting Engineers
60 Broadway, Hawthorne, New York 10532
914.747.2800

8 West 38th Street, Suite 501
New York, NY 10018
646.649.4110

olaca.com

OLA Project Number: NVMD0001.00

New City Library

New City Library

New City Library Addition & Renovation

220 North Main Street
New City, NY 10956

STATE OF NEW YORK · BARBARA JILL MALSE · 075260 · LICENSED PROFESSIONAL ENGINEER

Checked By ML
Drawn By VB

ISSUES AND REVISIONS

NO.	SUBMITTAL	DATE
	DESIGN DEVELOPMENT	07.09.2021
	60% CONSTRUCTION DOCUMENTS	11.12.2021
	100% CONSTRUCTION DOCUMENTS	01.14.2022
1	ADDENDUM 1	02.01.2022

ELECTRICAL NEW WORK ONE-LINE DIAGRAM

1

E-502

CONSTRUCTION DOCUMENTS

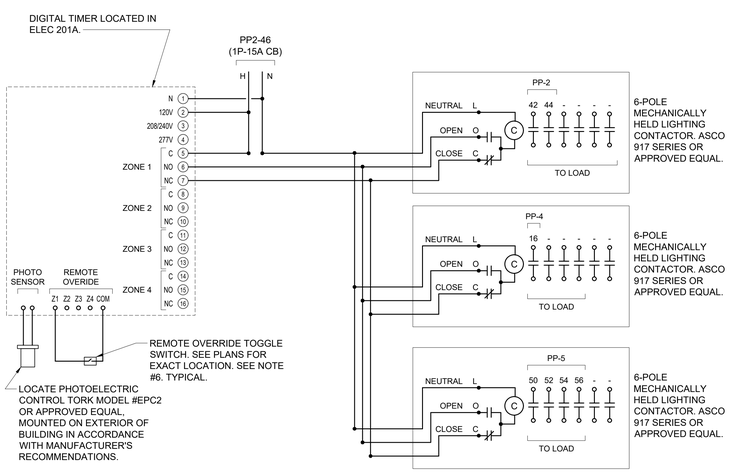
01.14.2022

LIGHTING FIXTURE SCHEDULE

FIXTURE DESIGNATION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	MOUNTING	REMARKS
A1 EM	LEDALITE	4214D1STL8BKS-N-D	27.8W LED	UNV	CEILING RECESSED (GRID)	SILKSPACE LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
A2 EM	LEDALITE	4222D1STL8BE-N-D	27.8W LED	UNV	CEILING RECESSED (GRID)	SILKSPACE LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
A3 EM	LEDALITE	4224S1STL8BND	27.8W LED	UNV	CEILING RECESSED (GRID)	SILKSPACE LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
B1.6 EM	AXIS	SCD-500-80-35-FL-6-BLK-UNV-DP-B	33.3W LED	UNV	SUSPENDED	SCULPT 6' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
B2.6	AXIS	SCDI-300-300-80-35-BW-FL-6-W-UNV-DP-B	33.3W LED	UNV	SUSPENDED	SCULPT 6' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
B2.8	AXIS	SCDI-300-300-80-35-BW-FL-8-W-DP-B	90.64W LED	UNV	SUSPENDED	SCULPT 8' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
B3.4	AXIS	BRLED-400-80-35-FL-4	17.6W LED	UNV	CEILING RECESSED (GRID)	SCULPT 4' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
B3.8	AXIS	BRLED-400-80-35-FL-8	35.2W LED	UNV	CEILING RECESSED (GRID)	SCULPT 8' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
B4.4 EM	AXIS	B6DLED-750-80-35-FL-4-W-DP-B	26.4W LED	UNV	CEILING RECESSED (GRID)	BEAM 6 4' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
B4.8	AXIS	B6DLED-750-80-35-FL-8-W-UNV-DP-B	52.8W LED	UNV	CEILING RECESSED (GRID)	BEAM 6 8' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
B5.6	AXIS	SCWDI-300-300-80-35-BW-FL-6-UNV-DP-B	67.8W LED	UNV	WALL SURFACE	SCULPT 6' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
B6.2	PINNACLE	M-A-35-02-PH-18-U-FSD-1-1PL-W	24W LED	UNV	WALL OR CEILING SURFACE	MOFFAT 2' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
B6.6	PINNACLE	M-A-35-06-PH-18-U-FSD-1-1PL-W	72W LED	UNV	WALL OR CEILING SURFACE	MOFFAT 6' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
B6.8	PINNACLE	M-A-35-08-PH-18-U-FSD-1-1PL-W	96W LED	UNV	WALL OR CEILING SURFACE	MOFFAT 8' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
C1	CALCULITE	C2R-DL-09-9-35-NF-UPZU-UNV +C2R-DL-BT-F(40D)	13.4W LED	UNV	CEILING RECESSED	CALCULITE 2" WOOD CEILING DOWNLIGHT.
C2	CALCULITE	C2R-A-09-9-35-NFUPZU-UNV+C2R-A-CD-F(25D)-UNV	13.4W LED	UNV	CEILING RECESSED	CALCULITE 2" ADJUSTABLE DOWNLIGHT.
C3 EM	CALCULITE	C2L09DL935RE1-UPZU-UNV+C2LDLCCDP(50D)	13.4W LED	UNV	CEILING RECESSED	CALCULITE 2" GYP CEILING DOWNLIGHT. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
C4 EM	CALCULITE	4RN+C4L15835WZ10U+C4RDLCL	16W LED	UNV	CEILING RECESSED	CALCULITE 4" DOWNLIGHT. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
C5 EM	CALCULITE	C4RN+C4L20835WZ10U+C4RDLCL	21W LED	UNV	CEILING RECESSED (GRID)	CALCULITE 4" DOWNLIGHT. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
D1 EM	LUCIFER	SQ2-042-FB-1-BK-BK-90C20A-35-60-CA2-40 + RBA-SQ2-BK-SFL-2	24W LED	UNV	SUSPENDED	SQUILINDER LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
D2.4	ARANCIA	P89-4-N-C-N-A-1-U-0-48-MG	32W LED	UNV	SUSPENDED	MJ CIRCLE 4' DIAMETER LIGHT FIXTURE
D2.6	ARANCIA	P89-6-N-C-N-A-1-U-0-48-MG	48W LED	UNV	SUSPENDED	MJ CIRCLE 6' DIAMETER LIGHT FIXTURE
D2.8	ARANCIA	P89-8-N-C-N-A-1-U-0-48-MG	64W LED	UNV	SUSPENDED	MJ CIRCLE 8' DIAMETER LIGHT FIXTURE
D3	ANGELPOISE	Type 80 Pendant - Grey Mist	10W LED	UNV	SUSPENDED	TYPE 80 LIGHT FIXTURE
D4.1	KUZCO LIGHTING	49108	60W LED	UNV	SUSPENDED	HELENA 8" LIGHT FIXTURE
D4.2	KUZCO LIGHTING	49108	60W LED	UNV	SUSPENDED	HELENA 17" LIGHT FIXTURE
D5	BRUCK	REN-LE26-35K-90-PBK-YLW-ASH	100W LED	UNV	SUSPENDED	RENATA 56 22" LIGHT FIXTURE
E1.2 EM	LEDALITE	490-8-L-935-22-Q-S-N-02-D-E-1-B-W	19.3W LED	UNV	CEILING	TRUGROOVE PERIMETER 2' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
E1.3 EM	LEDALITE	490-8-L-935-22-Q-S-N-03-D-E-1-B-W	19.3W LED	UNV	CEILING	TRUGROOVE PERIMETER 3' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
E1.5 EM	LEDALITE	490-8-L-935-22-Q-S-N-05-D-E-1-B-W	19.3W LED	UNV	CEILING	TRUGROOVE PERIMETER 5' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
E1.6 EM	LEDALITE	490-8-L-935-22-Q-S-N-06-D-E-1-B-W	19.3W LED	UNV	CEILING	TRUGROOVE PERIMETER 6' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
E1.7 EM	LEDALITE	490-8-L-935-22-Q-S-N-07-D-E-1-B-W	19.3W LED	UNV	CEILING	TRUGROOVE PERIMETER 7' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
E1.8 EM	LEDALITE	490-8-L-935-22-Q-S-N-08-D-E-1-B-W	19.3W LED	UNV	CEILING	TRUGROOVE PERIMETER 8' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
E2 EM	AXIS	CCWL-SL-500-90-35-CL-W-UNV-DP-1-AC-B	5W/FT LED	UNV	CEILING	COVE PERFEKT LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
E3	Q-TRAN	TLT-01-SW-2-35-DRY-FR-S1-BW-N/A-WH--SST-ST-66	4W/FT LED	UNV	SURFACE	TILT-FLAT LIGHT FIXTURE
F1	JUNIPER	Thin Shared Task Lamp	9.6W LED	UNV	SURFACE	36" THIN SHARED TASK LAMP.
G1.4	UTOPIA	FSS440L840-UNV-DIM-EMLED	31W LED	UNV	SUSPENDED	ELS 4' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME, MINIMUM.
EXIT SIGN	LITHONIA LIGHTING	EDGR-1-R-EL	3.8W LED	UNV	RECESSED CEILING MOUNTED	LED EXIT SIGN WITH 90 MINUTES OF BATTERY BACKUP TIME. 8" RED LETTERS ON CLEAR BACKGROUND. TRIM SHALL BE RECESSED AND FLAT.
X1	BEGA	24063-K3-BLK	6.8W LED	UNV	WALL RECESSED	
X2	BEGA	24063-K3-BLK	6.8W LED	UNV	WALL RECESSED	
X3	BEGA	66698	12.5W LED	UNV	WALL SURFACE	
X4	BEGA	77028	2.1W LED	UNV	GROUND	
LP	RAB Lighting	ALED18Y	18W LED	UNV	POLE MOUNTED	ALED18Y POLE MOUNTED LIGHT FIXTURE
Z	LITHONIA LIGHTIGN	DSXW1-L3D-20C-1000-30K-120	40W LED	UNV	SURFACE	LED EXTERIOR WALL LUMINAIRE. PROVIDE EMERGENCY BATTERY FOR 90 MINUTES OF OPERATION, MINIMUM WHERE INDICATED EM.

NOTES:

1.) VERIFY ALL FIXTURE CATALOG NUMBERS FOR INTENDED APPLICATIONS WITH REQUIRED ACCESSORIES.
2.) ALL BALLASTS AND DRIVERS IN 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 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.



NOTES:
1. TIMER SHALL BE A DEDICATED 4 ZONE DIGITAL LIGHTING CONTROLLER WITH PHOTO SENSOR INPUT. EACH ZONE SHALL BE CAPABLE OF INDEPENDENT USER SETTABLE CONTROL BASED ON TIME OF DAY, LIGHT LEVEL OR A COMBINATION OF BOTH. TIMER SHALL HAVE CAPABILITY TO BE OVERRIDDEN LOCALLY VIA KEYPAD AND/OR REMOTELY VIA STANDARD TOGGLE SWITCHES. NSI/TORK MODEL #DLC400BP OR APPROVED EQUAL.
2. DIGITAL TIMER SHALL BE PROGRAMMED AS FOLLOWS:
   ZONE 1: PHOTOCELL ON / TIMER OFF
   ZONE 2: (SPARE)
   ZONE 3: (SPARE)
   ZONE 4: (SPARE)
3. LIGHTING CONTACTORS SHALL BE LOCATED ADJACENT TO ASSOCIATED PANELBOARDS U.O.N.
4. LIGHTING CONTACTORS SHALL BE INSTALLED IN NEMA-1 ENCLOSURES EQUIPPED WITH LOCKABLE HINGED COVERS.
5. POWER FOR FIXTURES AND CIRCUITS REQUIRED TO BE TAKEN FROM THE UNSWITCHED LEG OF A GIVEN CIRCUIT SHALL BE TAPPED ON THE LINE SIDE OF THE ASSOCIATED CONTACT.
6. OVERRIDE SWITCH(ES) SHALL BE SOLID STATE INTERVAL TIME SWITCH WITH BACKLIT LCD DISPLAY, TORK MODEL SS410, OR APPROVED EQUAL.

1 EXTERNAL LIGHTING CONTROL SCHEMATIC DIAGRAM
SCALE: NONE

LIGHTING SYSTEM FUNCTIONAL TESTING/COMMISSIONING

I. FUNCTIONAL TESTING

PRIOR TO PASSING FINAL INSPECTION, THE CONTRACTOR SHALL PROVIDE EVIDENCE TO THE BUILDING OWNER AND THE ENGINEER THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S DOCUMENTS. FUNCTIONAL TESTING, FOR THE APPLICABLE CONTROL TYPE, SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

1. OCCUPANT SENSOR CONTROLS

WHERE OCCUPANT SENSOR CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

A. CERTIFY THAT THE OCCUPANT SENSOR HAS BEEN LOCATED AND AIMED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
B. FOR PROJECTS WITH SEVEN OF FEWER OCCUPANT SENSORS, EACH SENSOR SHALL BE TESTED.
C. FOR PROJECTS WITH MORE THAN SEVEN OCCUPANT SENSORS, TESTING SHALL BE DONE FOR EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY. WHERE MULTIPLES OF EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY ARE PROVIDED, NOT LESS THAN 10 PERCENT, BUT IN NO CASE LESS THAN ONE, OF EACH COMBINATION SHALL BE TESTED UNLESS THE BUILDING OFFICIAL OR DESIGN PROFESSIONAL REQUIRES A HIGHER PERCENTAGE TO BE TESTED. WHERE 30 PERCENT OR MORE OF THE TESTED CONTROLS FAIL, ALL REMAINING IDENTICAL COMBINATIONS SHALL BE TESTED.

FOR OCCUPANT SENSOR CONTROLS TO BE TESTED, VERIFY THE FOLLOWING:
i. WHERE OCCUPANT SENSOR CONTROLS INCLUDE STATUS INDICATORS, VERIFY CORRECT OPERATION.
ii. THE CONTROLLED LIGHTS TURN OFF OR DOWN TO THE PERMITTED LEVEL WITHIN THE REQUIRED TIME.
iii. FOR AUTO-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON TO THE PERMITTED LEVEL WHEN AN OCCUPANT ENTERS THE SPACE.
iv. FOR MANUAL-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON ONLY WHEN MANUALLY ACTIVATED.
v. THE LIGHTS ARE NOT INCORRECTLY TURNED ON BY MOVEMENT IN ADJACENT AREAS OR BY HVAC OPERATION.

2. TIME-SWITCH CONTROLS

WHERE TIME-SWITCH CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

A. CONFIRM THAT THE TIME-SWITCH CONTROL IS PROGRAMMED WITH ACCURATE WEEKDAY, WEEKEND AND HOLIDAY SCHEDULES.
B. PROVIDE DOCUMENTATION TO THE OWNER OF TIME-SWITCH CONTROLS PROGRAMMING INCLUDING WEEKDAY, WEEKEND, HOLIDAY SCHEDULES, AND SET-UP AND PREFERENCE PROGRAM SETTINGS.
C. VERIFY THE CORRECT TIME AND DATE IN THE TIME SWITCH.
D. VERIFY THAT ANY BATTERY BACK-UP IS INSTALLED AND ENERGIZED.
E. VERIFY THAT THE OVERRIDE TIME LIMIT IS SET TO NOT MORE THAN 2 HOURS.
F. SIMULATE OCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:
i. ALL LIGHTS CAN BE TURNED ON AND OFF BY THEIR RESPECTIVE AREA CONTROL SWITCH.
ii. THE SWITCH ONLY OPERATES LIGHTING IN THE ENCLOSED SPACE IN WHICH THE SWITCH IS LOCATED.
G. SIMULATE UNOCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:
i. NONEXEMPT LIGHTING TURNS OFF.
ii. MANUAL OVERRIDE SWITCH ALLOWS ONLY THE LIGHTS IN THE ENCLOSED SPACE WHERE THE OVERRIDE SWITCH IS LOCATED TO TURN ON OR REMAIN ON UNTIL THE NEXT SCHEDULED SHUTOFF OCCURS.

3. DAYLIGHT RESPONSIVE CONTROLS

WHERE DAYLIGHT RESPONSIVE CONTROLS ARE PROVIDED, THE FOLLOWING SHALL BE VERIFIED:

A. CONTROL DEVICES HAVE BEEN PROPERLY LOCATED, FIELD CALIBRATED AND SET FOR ACCURATE SET POINTS AND THRESHOLD LIGHT LEVELS.
B. DAYLIGHT CONTROLLED LIGHTING LOADS ADJUST TO LIGHT LEVEL SET POINTS IN RESPONSE TO AVAILABLE DAYLIGHT.
C. THE CALIBRATION ADJUSTMENT EQUIPMENT IS LOCATED FOR READILY ACCESS ONLY BY AUTHORIZED PERSONNEL.

II. DOCUMENTATION REQUIREMENTS

THE DOCUMENTS DESCRIBED IN THIS SECTION SHALL BE PROVIDED TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT WITHIN 60 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

A. DRAWINGS:
i. AS-BUILT CONSTRUCTION DOCUMENTS, SHOWING THE LOCATION AND CATALOG NUMBER OF EACH PIECE OF EQUIPMENT.
B. MANUALS: AN OPERATING AND MAINTENANCE MANUAL SHALL BE PROVIDED AND INCLUDE THE FOLLOWING:
i. NAME AND ADDRESS OF NOT LESS THAN ONE SERVICE AGENCY FOR INSTALLED EQUIPMENT.
ii. A NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE, INCLUDING RECOMMENDED SET POINTS.
iii. SUBMITTAL DATA INDICATING ALL SELECTED OPTIONS FOR EACH PIECE OF LIGHTING EQUIPMENT AND LIGHTING CONTROLS.
iv. OPERATION AND MAINTENANCE MANUALS FOR EACH PIECE OF LIGHTING EQUIPMENT. REQUIRED ROUTINE MAINTENANCE ACTIONS, CLEANING AND RECOMMENDED RELAMPING SHALL BE CLEARLY IDENTIFIED.
v. A SCHEDULE FOR INSPECTING AND RECALIBRATING ALL LIGHTING CONTROLS.
C. REPORT: A REPORT OF TEST RESULTS SHALL BE PROVIDED AND INCLUDE THE FOLLOWING.
i. RESULTS OF FUNCTIONAL PERFORMANCE TESTS.
ii. DISPOSITION OF DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.

VMDO
VMDO Architects
vmdo.com
434.296.5684
200 E Market Street | Charlottesville, VA 22902
1200 18th Street NW Ste 700 | Washington, DC 20036

OLA Consulting Engineers
50 Broadway, Hawthorne, New York 10532
914.747.2800
8 West 38th Street, Suite 501, New York, NY 10018
646.849.4110

OLA Project Number: NVMD0001.00

New City Library

New City Library

New City Library Addition & Renovation

220 North Main Street
New City, NY 10956

STATE OF NEW YORK · BARBARA JILL MALES · 075260 · LICENSED PROFESSIONAL ENGINEER

Checked By ML
Drawn By VB

ISSUES AND REVISIONS

NO.	SUBMITTAL	DATE
	DESIGN DEVELOPMENT	07.09.2021
	60% CONSTRUCTION DOCUMENTS	11.12.2021
	100% CONSTRUCTION DOCUMENTS	01.14.2022
1	ADDENDUM 1	02.01.2022

ELECTRICAL LIGHTING SCHEDULE

E-601

CONSTRUCTION DOCUMENTS
01.14.2022

PP1 PANEL SCHEDULE

MAIN RATING: 100A | MAIN C.B.: 100A | KAIC RATING: 22KAIC
VOLTAGE: 208Y/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	–	–	–	1	20	REC – RM 011	2
3	REC – RM 016	20	1	1	20	REC – RM 011	4
5	REC – RM 010	20	1	1	20	REC – RM 011	6
7	REC – RM 010	20	1	1	20	REC – RM 012/013/017	8
9	VAV	–	–	1	20	REC – RM 013	10
11	REC – RM 011A	20	1	1	20	CO ALARM	12
13	REC – RM 011	20	1	1	20	CO ALARM	14
15	REC – RM T001	20	1	1	20	EL LIGHTING FIX. RM 101	16
17	HVAC CONTROLS	20	1	1	15	HWC–1 RM 012	18
19	HVAC CONTROLS	20	1				20
21	HVAC CONTROLS	20	1	3	15	UH–A	22
23	HVAC CONTROLS	20	1				24
25	WATER FOUNDTAIN	20	1	1	20	LIGHTING	26
27	WATER FOUNDTAIN	20	1	1	20	LIGHTING	28
29	EWH–1	20	1	1	20	LIGHTING	30
31	LEAK DETECTOR – RM 011	20	1				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.; GP – GFP TYPE C.B.; AF – ARC FAULT TYPE C.B.; ST – SHUNT TRIP C.B.

NOTES:

PP2 PANEL SCHEDULE

MAIN RATING: 200A | MAIN C.B.: 200A | KAIC RATING: 22KAIC
VOLTAGE: 208Y/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	REC – RM 151	20	1	1	20	REC – RM 156B	2
3	REC – RM 153	20	1	1	20	REC – RM 102/102A	4
5	REC – RM 153	20	1	1	20	REC – RM 152	6
7	REC – RM 153	20	1	1	20	REC – RM 202	8
9	REC – 150H, 156H & S7	20	1	1	20	REC – RM 200	10
11	REC – RM 154	20	1	1	20	REC – RM 200	12
13	REC – RM 154	20	1	1	20	REC – RM 200/203	14
15	REC – RM 156	20	1	1	20	REC – RM 200	16
17	REC – RM 156A	20	1	1	20	REC – SOUTH GROUP	18
19	HVAC CONTROLS	20	1	2	30*	EX. DUCT HEATER	20
21	HVAC CONTROLS	20	1				22
23	HVAC CONTROLS	20	1	1	20#	EX. SUMP PUMP ELEV. SHAFT	24
25	HVAC CONTROLS	20	1	1	20#	EX. DUCT HEATER	26
27	EX. LOAD	20#	1	1	20#	EX. LOAD	28
29							30
31	EX. ROLLING DOOR	20@	3	3	20@	EX. ROLLING DOOR	32
33							34
35	REC – FLOOR RM 200	20	1	1	20	LIGHTING	36
37	LIGHTING	20	1	1	20	LIGHTING	38
39	LIGHTING	20	1	1	20	LIGHTING	40
41	LIGHTING	20	1	1	20	EXTERNAL LIGHTING	42
43	BIPOLAR IONIZATION	20	1	1	20	EXTERNAL LIGHTING	44
45	BIPOLAR IONIZATION	20	1	1	15	EXTERNAL LIGHTING TIMECLOCK	46
47	BIPOLAR IONIZATION	20	1	–	–	–	48
49	–	–	–	–	–	–	50
51	–	–	–	–	–	–	52
53	SPARE	20	1	1	20	SPARE	54
55	SPARE	20	1	1	20	SPARE	56
57	SPARE	20	1	1	20	SPARE	58
59	SPARE	20	1	1	20	SPARE	60
61	SPARE	20	1	1	20	SPARE	62
63	SPARE	20	1	1	20	SPARE	64
65	SPARE	20	1	1	20	SPARE	66

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

NOTES:
1. * – CONTRACTOR SHALL ALLOW FOR 150' OF 3–#10 & 1–#10 GND IN 3/4"C TO REFEED CIRCUITRY.
2. # – CONTRACTOR SHALL ALLOW FOR 150' OF 2–#12 & 1–#12 GND IN 3/4"C TO REFEED CIRCUITRY.
2. @ – CONTRACTOR SHALL ALLOW FOR 150' OF 3–#12 & 1–#12 GND IN 3/4"C TO REFEED CIRCUITRY.

PP3 PANEL SCHEDULE

MAIN RATING: 200A | MAIN C.B.: 200A | KAIC RATING: 22KAIC
VOLTAGE: 208Y/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	MOTORIZED DAMPERS	20	1	1	15	TX–3	2
3	TX–2	15	1	1	20	REC – ROOF	4
5	ACC–A	15	2	1	20	REC WATER FOUNTAIN 101H	6
7				1	20	REC WATER FOUNTAIN 101H	8
9	REC – RM 141	20	1	1	20	REC – RM 101H	10
11	REC – RM 141	20	1	1	20	REC – RM T103	12
13	REC – RM 140C	20	1	1	20	REC HD – RM T103	14
15	REC – RM 140C	20	1	1	20	REC HD – RM T103	16
17	REC – RMS 140A & 140B	20	1	1	20	REC – RM 157B	18
19	REC – RM 150A	20	1	1	20	REC – RM 157	20
21	JBOX SELF–CHECKOUT 2 – 100B	20	1	1	20	REC – RM 157	22
23	REC – RM 100B	20	1	1	20	HAND DRYER – RM T150	24
25	REC – RM 100B	20	1	1	20	REC – RM T150	26
27	REC – RM 100B	20	1	1	20	REC – RM 155	28
29	REC – RMS 100B & 150	20	1	1	20	REC – RM 155	30
31	REC – RM 150	20	1	1	20	REC – RM 140	32
33	REC – RM 150	20	1	1	20	REC – RM 140	34
35	RECP. WP/GFI OUTDOORS	20	1	1	20	JBOX – ALARMED DOORS	36
37	REC – RM 141 COFFEE MACH.	20	1	3	20*	EX. LOAD	38
39	REC – RM 141	20	1				40
41	EX. VAV	20ST#	1				42
43				1	20#	EX. DOOR OPENER	44
45	EX. VAV	20ST#	1	1	20#	EX. DUCT HEATER	46
47				1	20#	EX. LOAD – EXHAUST FANS	48
49	EX. VAV	20ST#	1	1	20ST#	EX. VAV	50
51							52
53	EX. VAV	20ST#	1	1	20ST#	EX. VAV	54
55							56
57	LIGHTING	20	1	1	20	LIGHTING	58
59	LIGHTING	20	1	1	20	LIGHTING	60
61	SPARE	20	1	1	20	SPARE	62
63	SPARE	20	1	1	20	SPARE	64
65	SPARE	20	1	1	20	SPARE	66
67	SPARE	20	1	1	20	SPARE	68
69	SPARE	20	1	1	20	SPARE	70
71	SPARE	20	1	1	20	SPARE	72
73	SPARE	20	1	1	20	SPARE	74
75	SPARE	20	1	1	20	SPARE	76
77	SPARE	20	1	1	20	SPARE	78
79	SPARE	20	1	1	20	SPARE	80
81	SPARE	20	1	1	20	SPARE	82
83	SPARE	20	1	1	20	SPARE	84

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

NOTES:
1. * – CONTRACTOR SHALL ALLOW FOR 150' OF 3–#12 & 1–#12 GND IN 3/4"C TO REFEED CIRCUITRY.
2. # – CONTRACTOR SHALL ALLOW FOR 150' OF 2–#12 & 1–#12 GND IN 3/4"C TO REFEED CIRCUITRY.

PP4 PANEL SCHEDULE

MAIN RATING: 200A | MAIN C.B.: 200A | KAIC RATING: 22KAIC
VOLTAGE: 208Y/120V | PHASE: 3 | WIRE: 4 | MOUNTING: RECESSED

CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	REC – RM 166	20	1	1	20	REC – OUTDOOR	2
3	REC – RM 166	20	1	1	20	REC – ROBOREEL	4
5	REC – RM 166A	20	1	1	20	REC – RM 166 3D PRINTER	6
7	REC – RM 165	20	1	1	20	REC – RM 166 VINYL CUTTER	8
9	REC – RM 164	20	1	1	20	REC – RM 166 SPACE	10
11	REC – RM 163	20	1	1	20	LEAK DETECTOR – RM 166	12
13	REC – RM 161	20	1	1	20	LIGHTING	14
15	REC – RM 161	20	1	1	20	EXTERIOR LIGHTING	16
17	REC – RM 160	20	1	–	–	–	18
19	REC – RM 160	20	1	–	–	–	20
21	REC – RM 160 COPIER	20	1	–	–	–	22
23	JBOX – RM 160 SELF CHECK	20	1	–	–	–	24
25	REC – FLR RM 160	20	1	–	–	–	26
27	REC – RM 160	20	1	–	–	–	28
29	REC – RM 160	20	1	–	–	–	30
31	REC – RM 160 BACKLIT MAP	20	1	–	–	–	32
33	REC – RM 166 3D PRINTER	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.; GP – GFP TYPE C.B.; AF – ARC FAULT TYPE C.B.; ST – SHUNT TRIP C.B.

NOTES:

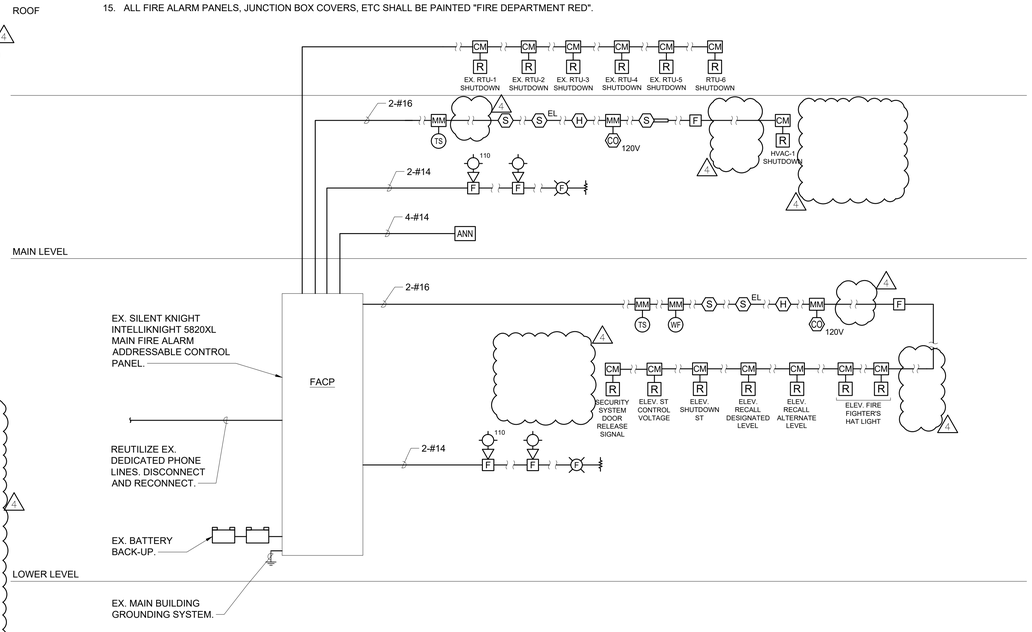
PP–EL PANEL SCHEDULE

MAIN RATING: 125A | MAIN C.B.: 100A | KAIC RATING: 22KAIC
VOLTAGE: 208Y/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	PIT LIGHT & GFI RECP	20	1	1	20	ELEV PIT SUMP PUMP CTRL PNL	2
3	EMR RECP	20	1	1	20	SPARE	4
5	ELEVATOR CONTROLLER	20	1	–	–	–	6
7	ELEVATOR CAB LIGHTS	20	1	–	–	–	8
9	–	–	–	–	–	–	10
11	–	–	–	–	–	–	12
13	–	–	–	–	–	–	14
15	ELEV. MACHINE RM. LTG.	20	1	–	–	–	16
17	–	–	–	–	–	–	18
19	–	–	–	–	–	–	20
21	–	–	–	–	–	–	22
23	–	–	–	–	–	–	24
25	SPARE	20	1	1	20	SPARE	26
27	SPARE	20	1	1	20	SPARE	28
29	SPARE	20	1	1	20	SPARE	30

LK – PROVIDE LOCKING TABS ON C.B.; GF – GFI TYPE C.B.

RISER NOTES:
1. THIS IS NOT A POINT-TO-POINT WIRING DIAGRAM. PRIOR TO STARTING ANY WORK, A WORKING POINT-TO-POINT WIRING DIAGRAM SHALL BE OBTAINED FROM FIRE ALARM SYSTEM VENDOR AND PERFORM ALL WORK IN ACCORDANCE WITH THAT DIAGRAM.
2. ELECTRICAL CONTRACTOR SHALL INCLUDE IN THE BASE BID ALL 120V CIRCUITS THAT ARE REQUIRED TO SUPPORT THE OPERATION OF THE FIRE ALARM SYSTEM. COORDINATE REQUIREMENTS WITH THE FIRE ALARM VENDOR.
3. QUANTITY OF STROBE BOOSTER POWER SUPPLY PANELS AND ASSOCIATED 120V CIRCUITS SHALL BE COORDINATED WITH SELECTED FIRE ALARM SYSTEM MANUFACTURER AND/OR FIRE ALARM VENDOR.
4. PROVIDE ALL NECESSARY WIRING, MODULES, COMPONENTS, EXTENDER CABINET, AND PROGRAMMING REQUIRED TO CONNECT NEW DEVICES TO EXISTING SYSTEM.
5. PROVIDE ALL NECESSARY HARDWARE AND PROGRAMMING TO PROVIDE THE CLIENT WITH 20% SPARE CAPACITY ON ALL INITIATING AND INDICATING CIRCUITS.
6. PROVIDE AS PART OF THE BASE CONTRACT ALL LABOR AND MATERIALS TO INSTALL TEN (10) ADDITIONAL FIRE ALARM DEVICES DURING CONSTRUCTION. THE ADDITIONAL FIRE ALARM DEVICES CAN BE BUT NOT LIMITED TO SMOKE DETECTOR, HEAT DETECTOR, DOOR HOLDER, DUCT DETECTOR, FAN SHUTDOWN, TAMPER SWITCHES, FLOW SWITCHES, ETC. INCLUDE ALL LABOR AND MATERIALS INCLUDING WIRE, BOXES, CONDUIT, TERMINATIONS, HARDWARE, SOFTWARE, PROGRAMMING AND TESTING.
7. HEAT DETECTORS IN ELEVATOR MACHINE ROOM AND/OR SHAFT SHALL HAVE A LOWER TEMPERATURE RATING THAN THE NEARBY SPRINKLER HEAD(S). HEAT DETECTORS SHALL BE INSTALLED 2'-0" MAXIMUM AWAY FROM EACH SPRINKLER HEAD IN THE ELEVATOR MACHINE ROOM AND EACH HEAD LOCATED GREATER THAN 2'-0" ABOVE THE FLOOR OF THE ELEVATOR SHAFT. UPON ACTIVATION OF A HEAT DETECTOR USED FOR ELEVATOR POWER SHUTDOWN, THERE SHALL BE A DELAY IN THE ACTIVATION OF THE POWER SHUNT TRIP. THIS DELAY SHALL BE THE TIME THAT IT TAKES THE ELEVATOR CAB TO TRAVEL FROM THE TOP OF THE HOISTWAY TO THE LOWEST RECALL LEVEL. COORDINATE WITH ELEVATOR CONTRACTOR.
8. DUCT SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR AND INSTALLED IN DUCT WORK BY MECHANICAL CONTRACTOR.
9. ALL VISUAL ALARM DEVICES SHALL BE ADA COMPLIANT.
10. ELECTRICAL CONTRACTOR TO PROVIDE A RELAY FOR EACH SMOKE DAMPER/COMBINATION FIRE SMOKE DAMPER. RELAYS ARE NOT SHOWN ON PLANS FOR CLARITY.
11. PROVIDE REMOTE LED INDICATORS FOR ALL CONCEALED FIRE ALARM DEVICES SUCH AS DUCT SMOKE DETECTORS, ABOVE CEILING SMOKE DETECTORS, ELEVATOR SHAFT DETECTORS, MONITORING AND CONTROL MODULES, ETC. LED INDICATORS FOR DEVICES MOUNTED ABOVE DROP CEILINGS SHALL BE MOUNTED BELOW ASSOCIATED DEVICES. LABEL INDICATORS TO INDICATE DEVICE SERVED.
12. CONTRACTOR TO PROVIDE SMOKE DETECTOR(S) IN ALL LOCATIONS CONTAINING FIRE ALARM CONTROL PANELS, DATA GATHERING PANELS, BOOSTER POWER SUPPLIES, OR ANY OTHER FIRE ALARM SYSTEM PANEL, WHETHER SHOWN ON PLANS OR NOT.
13. CONTROL MODULES USED TO INITIATE EMERGENCY CONTROL FUNCTIONS THAT DO NOT FAIL IN A SAFE POSITION SHALL BE LOCATED WITHIN 3 FEET OF THE COMPONENT CONTROLLING THE EMERGENCY CONTROL FUNCTION PER NFPA 72. THIS INCLUDES, BUT IS NOT LIMITED TO, CONTROL MODULES CONNECTED TO FAN MOTOR CONTROLLERS, ELEVATOR CONTROLLERS, ETC.
14. BATTERY BACKUP FOR FACP SHALL PROVIDE A MINIMUM OF 24 HOURS OF STAND BY POWER FOLLOWED BY 45 MINUTES OF ALARM.
15. ALL FIRE ALARM PANELS, JUNCTION BOX COVERS, ETC SHALL BE PAINTED "FIRE DEPARTMENT RED".



VMDO
VMDO Architects
vmdo.com
434.296.5684
200 E Market Street | Charlottesville, VA 22902
1200 18th Street NW Ste 700 | Washington, DC 20036

OLA Consulting Engineers
50 Broadway, Hawthorne, New York 10532
914.747.2800
8 West 38th Street, Suite 501 New York, NY 10018
646.849.4110

OLA Project Number: NVMD0001.00

New City Library

New City Library

New City Library Addition & Renovation

220 North Main Street
New City, NY 10956

Checked By: ML
Drawn By: VB

ISSUES AND REVISIONS

NO.	SUBMITTAL	DATE
	DESIGN DEVELOPMENT	07.09.2021
	60% CONSTRUCTION DOCUMENTS	11.12.2021
	100% CONSTRUCTION DOCUMENTS	01.14.2022
4	ADDENDUM 1	02.01.2022

ELECTRICAL SCHEDULES AND FIRE ALARM RISER DIAGRAM

E-602

CONSTRUCTION DOCUMENTS
01.14.2022

PP5 PANEL SCHEDULE

MAIN RATING: 200A MAIN C.B.: 200A KAIC RATING: 22KAIC

VOLTAGE: 208Y/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	VAVS	20	1	1	20	VAVS	2
3	MOTORIZED DAMPERS	20	1	1	15	EF-1	4
5	TX-4	15	1	1	15	TX-1	6
7	REC - ROOF	20	1	1	15	MAU-1	8
9	ACC-B	15	2	1	20	PLUMBING FIXT. RM T103	10
11				1	20	REC - RMS 123 & 131	12
13	REC - RM 128	20	1	1	20	REC - RM 131A	14
15	REC - RM 110	20	1	1	20	REC - RM 131A	16
17	REC - RM 110	20	1	1	20	REC - RM 122	18
19	REC - RM 121	20	1	1	20	REC - RM 122	20
21	REC - RM 121	20	1	1	20	HAND DRYER - RM T102	22
23	REC - RM 120	20	1	1	20	HAND DRYER - RM T102	24
25	REC - RM 120	20	1	1	20	REC - RMS T101 & T120	26
27	REC - RM 130	20	1	1	20	REC - RM T102	28
29	REC - RM 130	20	1	1	20	REC - RM	30
31	REC - RM 130	20	1	1	20	REC - RM	32
33	PLUMBING FIXT. RM T101/T102	20	1	1	20	REC - RM	34
35	REC - RM T150	20	1	1	20	PLUMBING FIXT. RM T150	36
37	CO ALARMS	20	1	1	20	REC - RM T150	38
39	–	–	–	1	20	LIGHTING	40
41	–	–	–	1	20	LIGHTING	42
43	–	–	–	1	20	LIGHTING	44
45	–	–	–	1	20	LIGHTING	46
47	–	–	–	1	20	LIGHTING	48
49	–	–	–	1	20	EXTERIOR LIGHTING	50
51	–	–	–	1	20	EXTERIOR LIGHTING	52
53	–	–	–	1	20	EXTERIOR LIGHTING	54
55	–	–	–	1	20	EXTERIOR LIGHTING	56
57	–	–	–	1	20	BIPOLAR IONIZATION	58
59	SPARE	20	1	1	20	BIPOLAR IONIZATION	60
61	SPARE	20	1	1	20	SPARE	62
63	SPARE	20	1	1	20	SPARE	64
65	SPARE	20	1	1	20	SPARE	66

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

NOTES:

LPF PANEL SCHEDULE

MAIN RATING: 200A MAIN C.B.: 200A KAIC RATING: 22KAIC

VOLTAGE: 208Y/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	EX. LOAD	20*	1	1	20*	EX. LOAD	2
3	EX. LOAD	20*	1	1	20*	EX. LOAD	4
5	EX. LOAD	20*	1	1	20*	EX. LOAD	6
7	EX. LOAD	20*	1	1	20*	EX. LOAD	8
9	EX. LOAD	20*	1	1	20*	EX. LOAD	10
11	EX. LOAD	20*	1	1	20*	EX. LOAD	12
13	EX. LOAD	20*	1	1	20*	EX. LOAD	14
15	REC - RM 001/001C	20	1	1	20	CO ALAMS	16
17	REC - LIGHTING	20	1	–	–	–	18
19	LIGHTING	20	1	–	–	–	20
21	LIGHTING	20	1	–	–	–	22
23	LIGHTING	20	1	–	–	–	24
25	LIGHTING	20	1	–	–	–	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.; GP – GFP TYPE C.B.;
AF – ARC FAULT TYPE C.B.; ST – SHUNT TRIP C.B.

NOTES:

1. * – CONTRACTOR SHALL EXTEND PANELBOARD "LPF" EX. BRANCH CIRCUITRY AS REQUIRED FOR RELOCATED REPLACEMENT PANELBOARD, U.O.N.

VMDO Architects
vmdo.com
434.296.5684

200 E Market Street
Charlottesville, VA 22902

1200 18th Street NW Ste 700
Washington, DC 20036

OLA Consulting Engineers

50 Broadway,
Hawthorne,
New York 10532
914.747.2800

8 West 38th Street,
Suite 501
New York, NY 10018
646.849.4110

OLA Project Number: NVMD0001.00

New City Library

New City Library

New City Library Addition & Renovation

220 North Main Street
New City, NY 10956

STATE OF NEW YORK · BARBARA JILL MAAS · 075260 · LICENSED PROFESSIONAL ENGINEER

Checked By ML

Drawn By VB

ISSUES AND REVISIONS

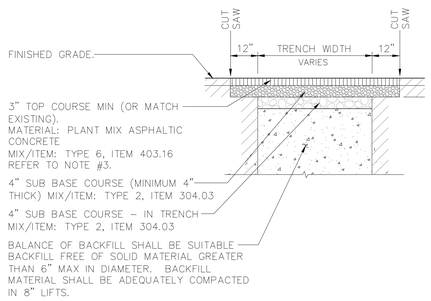
NO.	SUBMITTAL	DATE
	DESIGN DEVELOPMENT	07.09.2021
	60% CONSTRUCTION DOCUMENTS	11.12.2021
	100% CONSTRUCTION DOCUMENTS	01.14.2022
1	ADDENDUM 1	02.01.2022

ELECTRICAL SCHEDULES AND FIRE ALARM RISER DIAGRAM

E-603

CONSTRUCTION DOCUMENTS

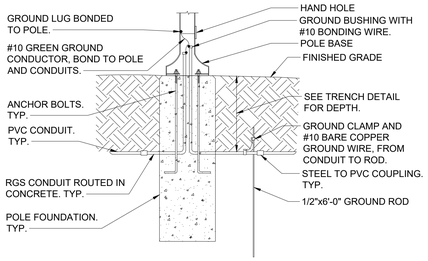
01.14.2022



NOTES:

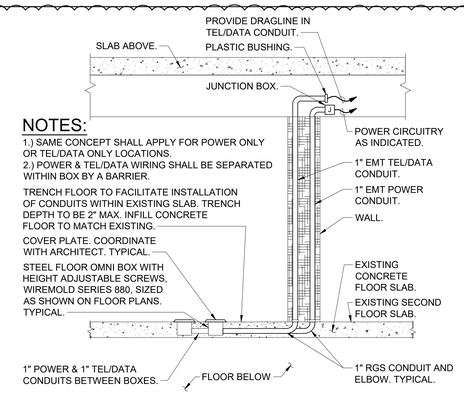
1.) THICKNESS INDICATED REFERS TO COMPACTED MEASURE.
2.) ITEM NUMBERS REFER TO NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
3.) REFER TO TRENCHING DETAIL FOR TRENCH INFORMATION.

15 BITUMINOUS PAVEMENT REPLACEMENT DETAIL
SCALE: NONE



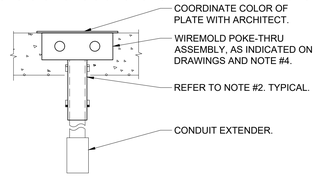
NOTE:
1. THIS DETAIL PROVIDES ELECTRICAL GROUNDING/ BONDING AND RACEWAY INFORMATION ONLY. SEE STRUCTURAL DRAWINGS FOR POLE FOUNDATION INFORMATION.

12 LIGHT POST ELECTRICAL INSTALLATION DETAIL
SCALE: NONE



NOTES:
1.) SAME CONCEPT SHALL APPLY FOR POWER ONLY OR TEL/DATA ONLY LOCATIONS.
2.) POWER & TEL/DATA WIRING SHALL BE SEPARATED WITHIN BOX BY A BARRIER.
TRENCH FLOOR TO FACILITATE INSTALLATION OF CONDUITS WITHIN EXISTING SLAB. TRENCH DEPTH TO BE 2" MAX. INFILL CONCRETE FLOOR TO MATCH EXISTING.

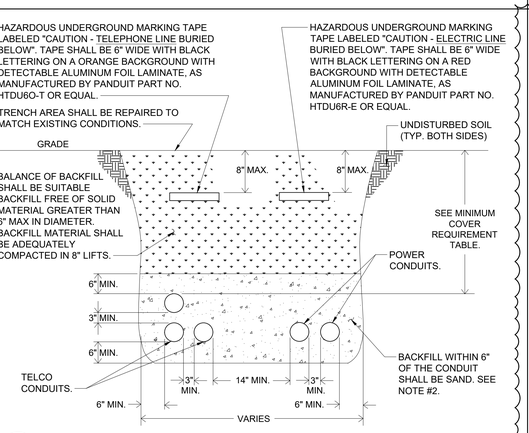
8 FLOOR MOUNTED POWER/TEL/DATA RECP INSTALLATION DETAIL
SCALE: NONE



NOTES:
1. FIRE STOP SLEEVE ON UPPER AND UNDERSIDE OF FLOOR SLAB WITH 3 HOUR RATED FIRE STOP AS MANUFACTURED BY SPECIFIED TECHNOLOGIES INC. (STI) SPEC SEAL SSS INTUMESCENT SEALANT OR APPROVED EQUAL.
2. POKE-THRUS SHALL BE MIN. 2'-0" APART FROM EACH OTHER TO MAINTAIN FIRE RATING OF FLOOR.
3. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

4.) POKE THRU MODEL NUMBERS:
A. POKE THRU WITH (1) DUPLEX 20A RECEPTACLE AND (2) CATEGORY 6 INSERTS WIREMOLD MODEL # RC3ATC OR APPROVED EQUAL.
B. POKE THRU COMBINATION POWER/DATA/TELEPHONE WITH (2) DUPLEX 20A RECEPTACLES & (4) CATEGORY 6 INSERTS WIREMOLD MODEL #RC4ATC OR APPROVAL EQUAL.

4 POKE-THRU DEVICE INSTALLATION DETAIL
SCALE: NONE

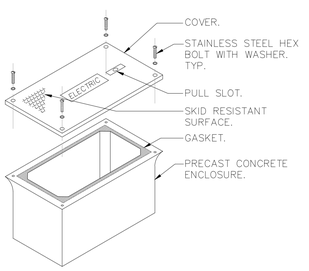


14 TRENCHING DETAIL FOR CONDUIT
SCALE: NONE

MINIMUM COVER REQUIREMENT TABLE

LOCATION	NONMETALLIC RACEWAYS LISTED FOR DIRECT BURIAL WITHOUT CONCRETE ENCASEMENT OR OTHER APPROVED RACEWAYS
ALL LOCATION NOT SPECIFIED BELOW.	18"
IN TRENCH BELOW 2-IN. THICK CONCRETE OR EQUIVALENT.	12"
UNDER MINIMUM OF 4-IN. THICK CONCRETE EXTERIOR SLAB WITH NO VEHICULAR TRAFFIC AND THE SLAB EXTENDING NOT LESS THAN 6 IN. BEYOND THE UNDERGROUND INSTALLATION.	4" SEE NOTE #2.
UNDER STREETS, HIGHWAYS, ROADS, ALLEYS, DRIVEWAYS, AND PARKING LOTS.	24"

NOTES:
1. DETAIL SHOWN FOR INFORMATION PURPOSES. SAME CONCEPT SHALL ALSO APPLY FOR SINGLE CONDUITS.
2. SAND MAY BE OMITTED FOR INSTALLATIONS WHERE COVER REQUIREMENTS ARE 6" OR LESS.



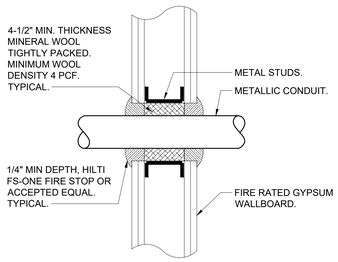
NOTES:

1.) HAND HOLE SHALL BE 12"L x 18"W x 30"H WITH OPEN BOTTOM AND SHALL BE UL LISTED TIER 22 AS MANUFACTURED BY QUAZITE, MODEL #PG1324BA12 & #PG1324BA18 OR EQUAL. BOX SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

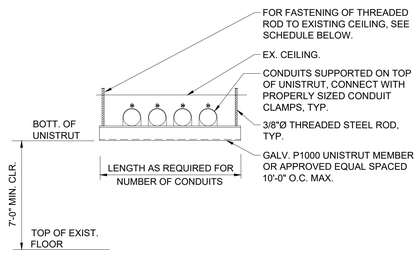
2.) PROVIDE 6" OF GRAVEL BELOW BOX.

3.) COVER SHALL BE IMPRINTED WITH THE APPROPRIATE DESCRIPTION OF BOX CONTENTS (I.E. ELECTRIC, TELEPHONE, DATA, CABLE TV, ETC.).

13 HAND HOLE DETAIL
SCALE: NONE

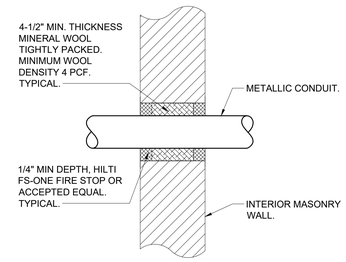


11 TYPICAL FIRE RATED GYPSUM WALL CONDUIT PENETRATION DETAIL
SCALE: NONE

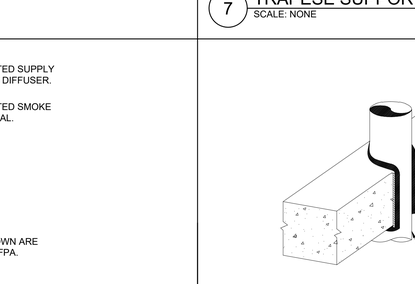


CEILING CONSTRUCTION	ANCHOR TYPE	EMBEDMENT
NORMAL WT. CONC	HILTI HDI DROP-IN ANCHOR	1" MIN.
CINDER CONCRETE	HILTI KWIK BOLT II	3" MIN.
HOLLOW CONSTRUCTION	TOGGLE BOLTS	NA

7 TRAPESE SUPPORT DETAIL
SCALE: NONE

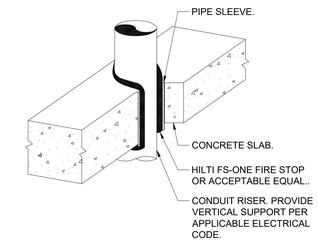


3 TYPICAL INTERIOR MASONRY WALL CONDUIT PENETRATION DETAIL
SCALE: NONE

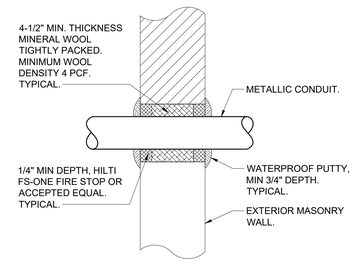


NOTE:
1. DISTANCES SHOWN ARE MINIMUM PER NFPA.

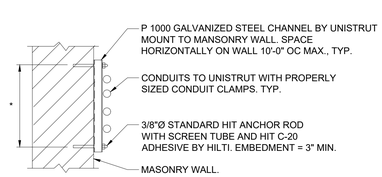
10 CEILING MOUNTED SMOKE DETECTOR LOCATION WITH RESPECT TO AIR DIFFUSER
SCALE: NONE



6 TYPICAL VERTICAL CONDUIT PENETRATION DETAIL
SCALE: NONE



2 TYPICAL EXTERIOR MASONRY WALL ABOVE GRADE CONDUIT PENETRATION DETAIL
SCALE: NONE

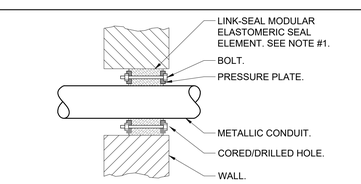


NOTES:
1. THE CONNECTION TO THE LAMPS IS NOT SHOWN - FOLLOW MANUFACTURER WIRING DIAGRAMS.
2. "SWITCH" REPRESENTS A SINGLE POLE SWITCH, A SET OF CONTACTS, A COMBINATION OF 3 WAY AND 4 WAY SWITCHES, ETC. SEE DRAWINGS FOR ACTUAL SWITCH CONFIGURATION.

9 SWITCHED EMERGENCY FIXTURE WIRING DIAGRAM
SCALE: NONE

* LENGTH AS REQUIRED FOR NUMBER OF CONDUITS

5 TYPICAL CONDUIT SUPPORT ON MASONRY DETAIL
SCALE: NONE



NOTES:
1. SEAL ASSEMBLY BASED ON MODEL "C" LINK-SEAL MODULAR SEAL, WITH EPDM SEAL ELEMENT, REINFORCED NYLON POLYMER PRESSURE PLATES, STEEL WITH 2-PART ZINC DICHROMATE & CORROSION INHIBITING COATING NUTS AND BOLTS AND WITH A OPERATING TEMPERATURE RANGE OF -40°F TO +250°F.
2. PROVIDE AND INSTALL TWO SEALS WHEN PENETRATED WALL THICKNESS IS GREATER THAN 12".
3. PROVIDE SCHEDULE 80 WALL SLEEVE FOR NEW WALL CONSTRUCTION PER MANUFACTURER'S REQUIREMENTS.

1 TYPICAL EXTERIOR MASONRY WALL BELOW GRADE CONDUIT PENETRATION DETAIL
SCALE: NONE

VMDO
VMDO Architects
vmdo.com
434.296.5684
200 E Market Street | Charlottesville, VA 22902
1200 18th Street NW Ste 700 | Washington, DC 20036

OLA CONSULTING ENGINEERS
OLA Consulting Engineers
60 Broadway, Hawthorne, New York 10532
914.747.2800
8 West 38th Street, Suite 501 New York, NY 10018
646.849.4110
olaca.com

OLA Project Number: NVMD0001.00

New City Library

New City Library

New City Library Addition & Renovation

220 North Main Street
New City, NY 10956

STATE OF NEW YORK · BARBARA JILL VALAS · 075260 · LICENSED PROFESSIONAL ENGINEER

Checked By ML
Drawn By VB

ISSUES AND REVISIONS

NO.	SUBMITTAL	DATE
	DESIGN DEVELOPMENT	07.09.2021
	60% CONSTRUCTION DOCUMENTS	11.12.2021
	100% CONSTRUCTION DOCUMENTS	01.14.2022
1	BID ADDENDUM 1	01.28.2022

ELECTRICAL DETAILS

E-701

CONSTRUCTION DOCUMENTS
01.14.2022