



VMDO Architects
200 E Market St
Charlottesville, Va 22902
434.296.5684
vmdo.com

ADDENDUM

Issued: 2/1/2022

Addendum No. 01
New City Library Addition and Renovation
VMDO Project No. 1301

TO ALL BIDDERS: The following constitutes Addendum No. **01** to the Contract Documents dated 02-01-2022, for the NEW CITY LIBRARY. This addendum shall be attached to the Contract Documents and shall be part thereof to the same extent as if it were originally included. The contractor shall be responsible for coordinating these changes as they affect other work in the Contract Documents. Bidders shall acknowledge receipt of this addendum on their bid form.

01 TOTAL FORM PAGES
00 TOTAL SPECIFICATION PAGES ATTACHED
19 TOTAL DRAWING SHEETS ATTACHED AS FOLLOWS: 00 8.5X11 00 11X17 19 30X42 00 OTHER

QUESTIONS:

None.

REVISIONS TO SPECIFICATIONS:

None.

REVISIONS TO DRAWINGS:

Architectural:

- Addition and deletion of select light fixtures.

Electrical:

- Addition of Electrical Site Plan
- Completion of lighting circuiting and fixture specifications.

Plumbing:

- Addition of elevator sump pump details.
-

END OF ADDENDUM

NEW CITY LIBRARY ADDITION & RENOVATION

CONSTRUCTION DOCUMENTS

PICTORIAL VIEW



VIEW FOR INFORMATIONAL PURPOSES ONLY

PROJECT TEAM

OWNER
New City Library
220 North Main Street
New City, NY 10956
(845) 634-4997
newcitylibrary.org

ARCHITECT OF RECORD
VMDO Architects P.C.
200 E Market Street
Charlottesville, VA 22902
(434) 296-5684
vmdo.com

LOCAL ARCHITECT
EnviroSpace Architecture DPC
451 East Boston Post Road
Mamaroneck, NY 10543
(919) 777-2727
envirospacearch.com

CONSTRUCTION MANAGER
Consigli
199 West Road
Pleasant Valley, NY 12569
(845) 635-1800
consigli.com

AV & SECURITY DESIGN
USIS Audio Visual Systems
35 West Jefferson Avenue
Pearl River, NY 10965
(845) 358-7755
usisav.net

CIVIL ENGINEER
Atzl, Nasher & Zigler, P.C.
234 North Main Street
New City, NY 10956
(845) 634-4694
anzny.com

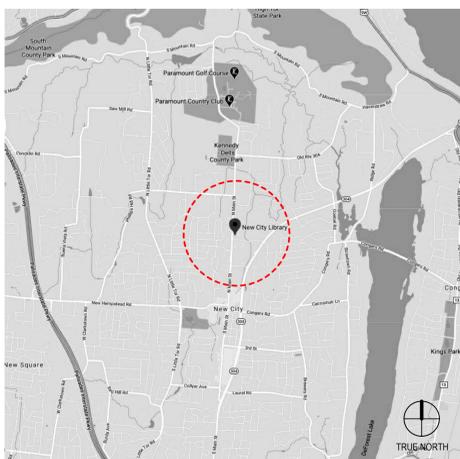
LANDSCAPE ARCHITECT
Yost Design
22 Dexter Plaza
Pearl River, NY 10965
(845) 365-4595
yostdesign.com

MEP ENGINEER
OLA Consulting Engineers, PC
50 Broadway, Suite 2
Hawthorne, NY 10532
(914) 747-2800
olace.com

STRUCTURAL ENGINEER
McLaren Engineering Group
5230 Chestnut Ridge Road
Woodcliff Lake, NJ 07677
(201) 775-6000
mgmclaren.com

INTERIOR DESIGN
Glickman Design Studio
208 Third Street NE
Charlottesville, VA 22902
(617) 840-5560
glickmanstudio.com

VICINITY MAP



SITE MAP



DRAWING LIST

| GENERAL | TITLE SHEET | PLUMBING | PLUMBING SYMBOLS, ABBREVIATIONS, NOTES, AND SCHEDULES |
|------------|----------------------------|--------------------|---|
| G100 | LIFE SAFETY - CODE SUMMARY | P001 | PLUMBING SYMBOLS, ABBREVIATIONS, NOTES, AND SCHEDULES |
| G111 | LIFE SAFETY PLANS | P101 | PLUMBING LOWER LEVEL DEMOLITION PLAN |
| GENERAL: 3 | | P102 | PLUMBING MAIN LEVEL DEMOLITION PLAN |
| | | P201 | PLUMBING LOWER LEVEL NEW WORK PLAN |
| | | P202 | PLUMBING MAIN LEVEL NEW WORK PLAN |
| | | P203 | PLUMBING ROOF NEW WORK PLAN |
| | | P501 | PLUMBING DOMESTIC WATER RISER DIAGRAMS |
| | | P502 | PLUMBING RISER DIAGRAMS |
| | | P701 | PLUMBING DETAILS |
| | | PLUMBING: 9 | |
| | | MECHANICAL | |
| | | M001 | MECHANICAL SYMBOLS, ABBREVIATIONS, AND NOTES |
| | | M101 | MECHANICAL LOWER LEVEL DEMOLITION PLAN |
| | | M102 | MECHANICAL MAIN LEVEL DEMOLITION PLAN |
| | | M103 | MECHANICAL ROOF DEMOLITION PLAN |
| | | M201 | MECHANICAL LOWER LEVEL NEW WORK PLAN |
| | | M202 | MECHANICAL MAIN LEVEL NEW WORK PLAN |
| | | M203 | MECHANICAL ROOF NEW WORK PLAN |
| | | M601 | MECHANICAL SCHEDULES |
| | | M701 | MECHANICAL DETAILS 1 OF 2 |
| | | M702 | MECHANICAL DETAILS 2 OF 2 |
| | | MECHANICAL: 10 | |
| | | ELECTRICAL | |
| | | E001 | ELECTRICAL SYMBOLS, ABBREVIATIONS & GENERAL NOTES |
| | | E100 | ELECTRICAL SITE PLAN |
| | | E101 | ELECTRICAL LOWER LEVEL DEMOLITION PLAN |
| | | E102 | ELECTRICAL MAIN LEVEL DEMOLITION PLAN |
| | | E103 | ELECTRICAL ROOF DEMOLITION PLAN |
| | | E201 | ELECTRICAL LOWER LEVEL NEW WORK RCP |
| | | E202 | ELECTRICAL MAIN LEVEL NEW WORK RCP |
| | | E301 | ELECTRICAL LOWER LEVEL NEW WORK PLAN |
| | | E302 | ELECTRICAL MAIN LEVEL NEW WORK PLAN |
| | | E303 | ELECTRICAL ROOF NEW WORK PLAN |
| | | E401 | FIRE ALARM LOWER LEVEL NEW WORK PLAN |
| | | E402 | FIRE ALARM MAIN LEVEL NEW WORK PLAN |
| | | E403 | FIRE ALARM ROOF NEW WORK PLAN |
| | | E501 | ELECTRICAL DEMOLITION ONE-LINE DIAGRAM |
| | | E502 | ELECTRICAL NEW WORK ONE-LINE DIAGRAM |
| | | E601 | ELECTRICAL LIGHTING SCHEDULE |
| | | E602 | ELECTRICAL SCHEDULES AND FIRE ALARM RISER DIAGRAM |
| | | E603 | ELECTRICAL SCHEDULES AND FIRE ALARM RISER DIAGRAM |
| | | E701 | ELECTRICAL DETAILS |
| | | ELECTRICAL: 19 | |
| | | FIRE PROTECTION | |
| | | SP001 | SPRINKLER SYMBOLS, ABBREVIATIONS, AND NOTES |
| | | SP101 | SPRINKLER LOWER LEVEL DEMOLITION PLAN |
| | | SP102 | SPRINKLER MAIN LEVEL DEMOLITION PLAN |
| | | SP201 | SPRINKLER LOWER LEVEL NEW WORK PLAN |
| | | SP202 | SPRINKLER MAIN LEVEL NEW WORK PLAN |
| | | SP701 | SPRINKLER DETAILS |
| | | FIRE PROTECTION: 6 | |
| | | AV / SECURITY | |
| | | AV 00.001 | DRAWING INDEX, LEGEND, GENERAL NOTES & DIVISION OF RESPONSIBILITY |
| | | AV 00.002 | AREAS OF WORK - MAIN FLOOR |
| | | AV 00.501 | AV DETAILS - 1 |
| | | AV 00.502 | AV DETAILS - 2 |
| | | AV 00.503 | AV DETAILS - 3 |
| | | AV 01.101 | AV ELECTRICAL & FACILITY PLAN - DIGITAL SIGNAGE DISPLAY |
| | | AV 02.101 | AV ELECTRICAL & FACILITY PLAN - CHILDREN'S MEETING ROOM |
| | | AV 02.102 | AV CONDUIT RISER - CHILDREN'S MEETING ROOM |
| | | AV 03.101 | AV ELECTRICAL & FACILITY PLAN - ADULT MEETING ROOM |
| | | AV 03.102 | AV CONDUIT RISER - ADULT MEETING ROOM |
| | | SC-001 | SECURITY DRAWING INDEX & DIVISION OF RESPONSIBILITY |
| | | SC-002 | SECURITY LEGEND |
| | | SC-100 | LOWER LEVEL & BASEMENT SECURITY PLANS |
| | | SC-101 | MAIN LEVEL SECURITY PLAN |
| | | SC-102 | MEZZANINE SECURITY PLAN |
| | | SC-200 | SECURITY HEAD END ELEVATION |
| | | SC-300 | SECURITY RISER DIAGRAM |
| | | SC-400 | SECURITY DEVICES SCHEDULES |
| | | SC-500 | SECURITY DEVICES DETAILS |
| | | AV / SECURITY: 19 | |
| | | SHEET TOTAL: 153 | |
| | | A201 | REFLECTED CEILING PLAN - LOWER LEVEL & BASEMENT |
| | | A211 | REFLECTED CEILING PLAN - FIRST FLOOR & MEZZANINE |
| | | A250 | CEILING DETAILS |
| | | A301 | KEY EXTERIOR ELEVATIONS |
| | | A302 | KEY BUILDING SECTIONS |
| | | A303 | KEY BUILDING SECTIONS |
| | | A310 | EXTERIOR ELEVATIONS |
| | | A311 | EXTERIOR ELEVATIONS |
| | | A312 | EXTERIOR ELEVATIONS - SITE WALLS |
| | | A401 | WALL SECTIONS |
| | | A402 | WALL SECTIONS |
| | | A403 | WALL SECTIONS |
| | | A404 | WALL SECTIONS |
| | | A405 | WALL SECTIONS |
| | | A500 | EXTERIOR ASSEMBLY TYPES |
| | | A510 | FOUNDATION DETAILS |
| | | A520 | ENVELOPE DETAILS |
| | | A530 | EXTERIOR OPENING DETAILS |
| | | A531 | EXTERIOR OPENING DETAILS |
| | | A540 | ROOF DETAILS |
| | | A601 | ELEVATOR AXONS, PLANS & SECTIONS |
| | | A602 | STAIR AXONS, PLANS, SECTIONS & ELEVATIONS |
| | | A605 | RAILING ELEVATIONS |
| | | A610 | STAIR & RAILING DETAILS |
| | | A611 | GATE DETAILS |
| | | A710 | ENLARGED PLANS & INTERIOR ELEVATIONS |
| | | A711 | ENLARGED PLANS & INTERIOR ELEVATIONS |
| | | A712 | ENLARGED PLANS & INTERIOR ELEVATIONS |
| | | A720 | TYPICAL TOILET ROOM LAYOUTS & ELEVATIONS |
| | | A721 | ENLARGED TOILET PLANS & ELEVATIONS |
| | | A722 | ENLARGED TOILET PLANS & ELEVATIONS |
| | | A740 | MILLWORK ENLARGED PLANS & INTERIOR ELEVATIONS |
| | | A741 | MILLWORK ENLARGED PLANS & INTERIOR ELEVATIONS |
| | | A742 | MILLWORK ENLARGED PLANS & INTERIOR ELEVATIONS |
| | | A744 | MILLWORK DETAILS |
| | | A745 | MILLWORK DETAILS |
| | | A800 | DOOR SCHEDULE & HARDWARE SCHEDULE |
| | | A821 | INTERIOR FRAME TYPES |
| | | A900 | FINISH SCHEDULE |
| | | A901 | FINISH PLAN - LOWER LEVEL & BASEMENT |
| | | A911 | FINISH PLAN - FIRST FLOOR & MEZZANINE |
| | | A931 | FURNITURE PLAN - LOWER LEVEL & BASEMENT |
| | | A932 | FURNITURE PLAN - FIRST FLOOR & MEZZANINE |
| | | ARCHITECTURAL: 56 | |

VMDO

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2000 Pennsylvania Avenue NW
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Washington, DC 20006
202.843.2081



NEW CITY LIBRARY

NEW CITY LIBRARY
ADDITION & RENOVATION

220 NORTH MAIN STREET
NEW CITY, NY 10956

VMDO Project Number 1301

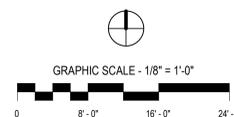


Checked By JT
Drawn By HO

| ISSUES AND REVISIONS | | |
|----------------------|-----------------------------|------------|
| NO. | SUBMITTAL | DATE |
| | 100% CONSTRUCTION DOCUMENTS | 01.14.2022 |
| 1 | ADDENDUM 1 | 02.01.2022 |

TITLE SHEET

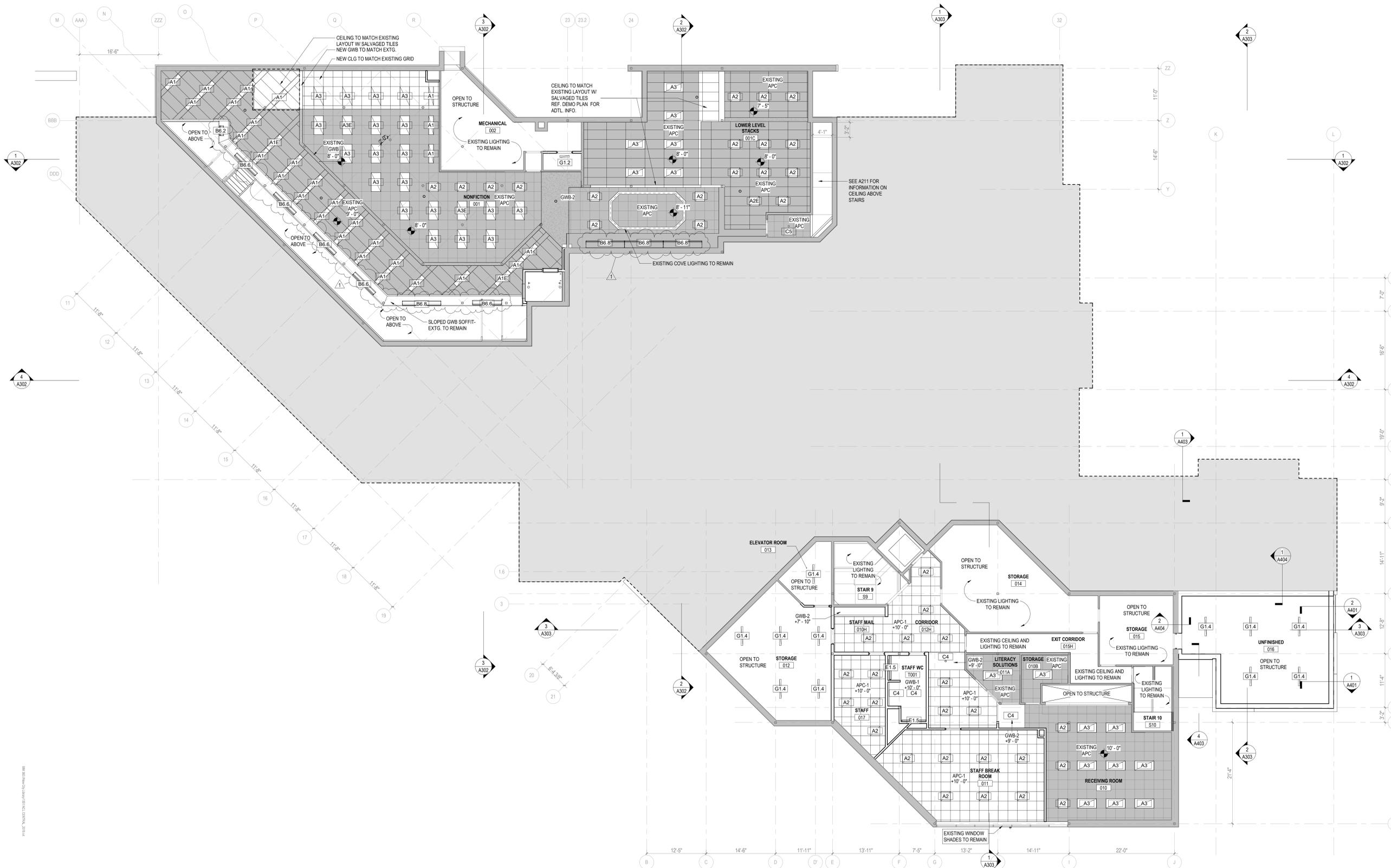
G001
CONSTRUCTION DOCUMENTS
01.14.2022



ISSUES AND REVISIONS

| NO. | SUBMITTAL | DATE |
|------|------------------------|------------|
| 100% | CONSTRUCTION DOCUMENTS | 01.14.2022 |
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REFLECTED CEILING PLAN - LOWER LEVEL & BASEMENT



1
A201
 RCP LOWER LEVELS
 1/8" = 1'-0"

REFLECTED CEILING PLAN
GENERAL NOTES

- CEILING HEIGHTS ARE MEASURED FROM FINISHED FLOOR.
- REFER TO REFLECTED CEILING PLANS FOR GRID LAYOUTS AND FIXTURE LOCATIONS & COORDINATE WITH MEP. IN CASE OF CONFLICT, CONSULT ARCHITECT. SEE ELECTRICAL FOR SPECIFIC LIGHT FIXTURE TYPE DESIGNATION.
- PAINT ALL STRUCTURE AND INFRASTRUCTURE COMPONENTS AND SURFACES AT OPEN OR EXPOSED CEILINGS.
- SPRINKLERS, WHERE SHOWN, INDICATE PREFERRED RELATIONSHIP TO ADJACENT BUILDING ELEMENTS ONLY. ALL SPRINKLER PIPING IS TO BE CONCEALED IN WALL OR CEILING CAVITIES. CONSULT WITH ARCHITECT ON CONFLICTS.
- ALL SUSPENDED ACOUSTICAL TILE CEILINGS SHALL BE CENTERED IN EACH ROOM PER THE REFLECTED CEILING PLAN U.N.O.
- CENTER SPRINKLER HEADS, MECHANICAL AIR DEVICES, LIGHT FIXTURES AND OTHER ELECTRICAL DEVICES IN ACOUSTICAL CEILING PANELS, U.N.O.
- LOCATE M.E.P. COMPONENTS REQUIRING ACCESS AT ACCESSIBLE CEILING AREAS TO THE GREATEST EXTENT POSSIBLE. WHERE CEILINGS ARE INACCESSIBLE, PROVIDE ACCESS PANELS.
- SOME M.E.P. COMPONENTS, ELECTRICAL DEVICES AND PLUMBING DEVICES MAY NOT BE SHOWN. REFER TO M.E.P. DRAWINGS.
- PROVIDE VERTICAL GYP. BD. AT ALL CEILING HEIGHT TRANSITIONS, U.N.O.

LEGEND - CEILING TYPE

| | | | |
|--|--|--|---|
| | GWB-01 5/8" GYP. BOARD ON SUSPENSION SYSTEM | | SDG-01 SUSPENDED LINEAR WOOD CEILING |
| | GWB-02 5/8" GYP. BOARD ON STRUCTURE | | WD-01 WOOD PANEL CEILING |
| | APC-01 2' x 2' ACOUSTIC PANEL CEILING | | EXISTING ACOUSTIC PANEL CEILING TO REMAIN WHERE INDICATED VARIOUS SIZES |
| | APC-02 2' x 4' ACOUSTIC PANEL CEILING | | |
| | APC-03 SUSPENDED BAFFLE CEILING | | |



NEW CITY LIBRARY

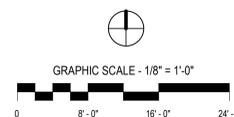
**NEW CITY LIBRARY
 ADDITION & RENOVATION**

220 NORTH MAIN STREET
 NEW CITY, NY 10956

VMDO Project Number **1301**



Checked By **JT**
 Drawn By **JH**

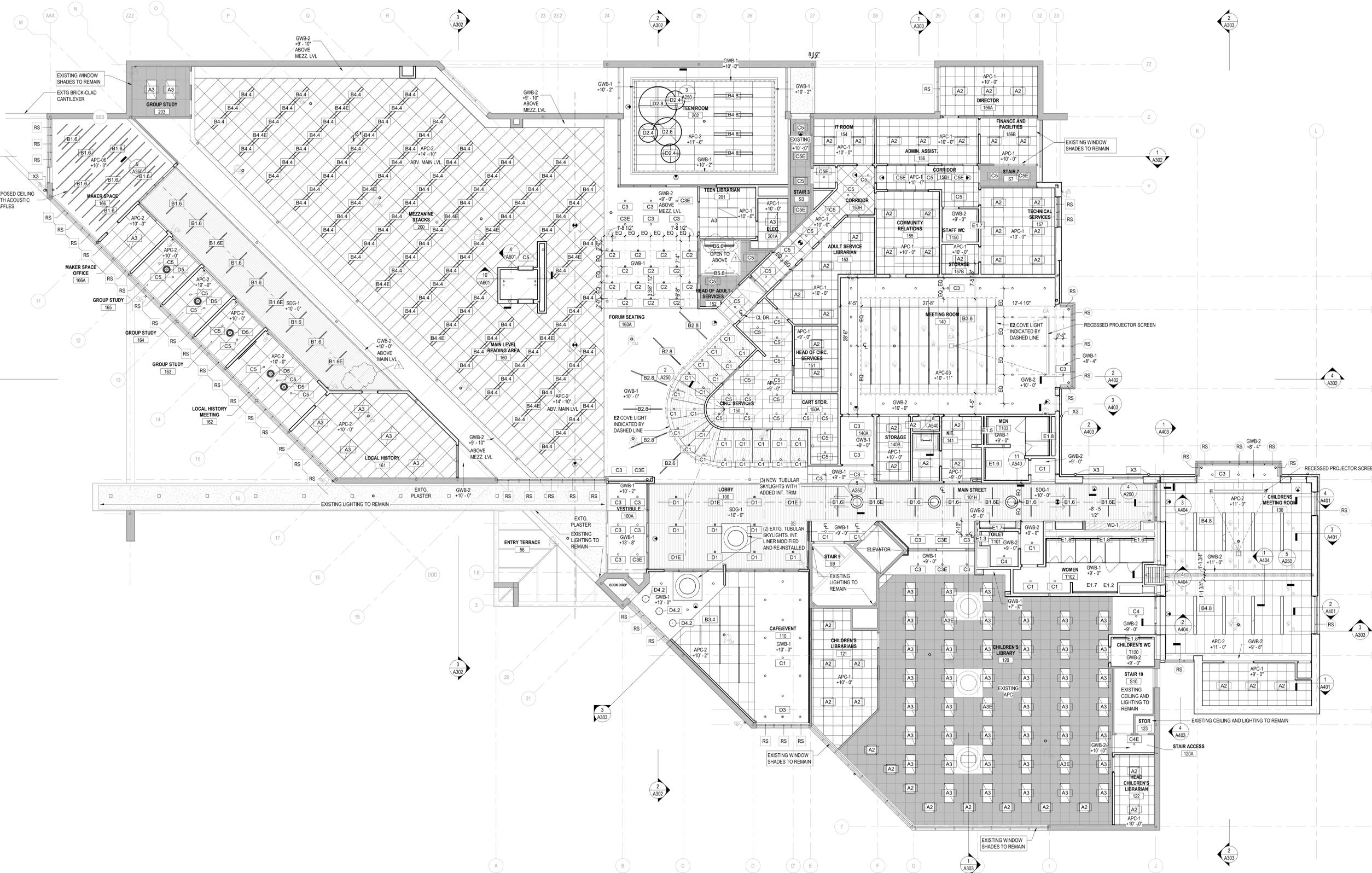


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| 100% | CONSTRUCTION DOCUMENTS | 01.14.2022 |
| 1 | ADDENDUM 1 | 02.01.2022 |

**REFLECTED CEILING
 PLAN - FIRST FLOOR &
 MEZZANINE**

A211
 CONSTRUCTION DOCUMENTS
 01.14.2022



1 RCP FIRST FLOOR AND MEZZANINE
 A211
 1/8" = 1'-0"

**REFLECTED CEILING PLAN
 GENERAL NOTES**

- CEILING HEIGHTS ARE MEASURED FROM FINISHED FLOOR.
- REFER TO REFLECTED CEILING PLANS FOR GRID LAYOUTS AND FIXTURE LOCATIONS & COORDINATE WITH MEP. IN CASE OF CONFLICT, CONSULT ARCHITECT. SEE ELECTRICAL FOR SPECIFIC LIGHT FIXTURE TYPE DESIGNATION.
- PAIN ALL STRUCTURE AND INFRASTRUCTURE COMPONENTS AND SURFACES AT OPEN OR EXPOSED CEILINGS.
- SPRINKLERS, WHERE SHOWN, INDICATE PREFERRED RELATIONSHIP TO ADJACENT BUILDING ELEMENTS ONLY. ALL SPRINKLER PIPING IS TO BE CONCEALED IN WALL OR CEILING CAVITIES. CONSULT WITH ARCHITECT ON CONFLICTS.
- ALL SUSPENDED ACoustical TILE CEILINGS SHALL BE CENTERED IN EACH ROOM PER THE REFLECTED CEILING PLAN U.N.O.
- CENTER SPRINKLER HEADS, MECHANICAL AIR DEVICES, LIGHT FIXTURES AND OTHER ELECTRICAL DEVICES IN ACoustical CEILING PANELS U.N.O.
- LOCATE M.E.P. COMPONENTS REQUIRING ACCESS AT ACCESSIBLE CEILING AREAS TO THE GREATEST EXTENT POSSIBLE. WHERE CEILINGS ARE INACCESSIBLE, PROVIDE ACCESS PANELS.
- SOME M.E.P. COMPONENTS, ELECTRICAL DEVICES AND PLUMBING DEVICES MAY NOT BE SHOWN. REFER TO M.E.P. DRAWINGS.
- PROVIDE VERTICAL GYP. BD. AT ALL CEILING HEIGHT TRANSITIONS, U.N.O.

LEGEND - CEILING TYPE

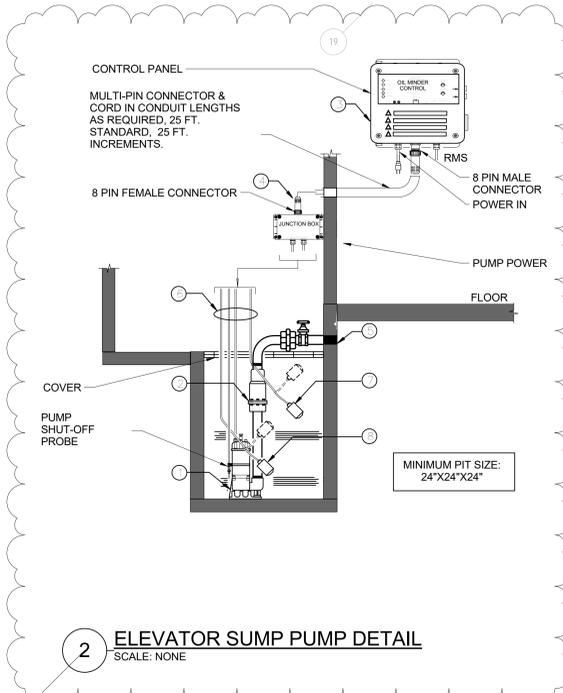
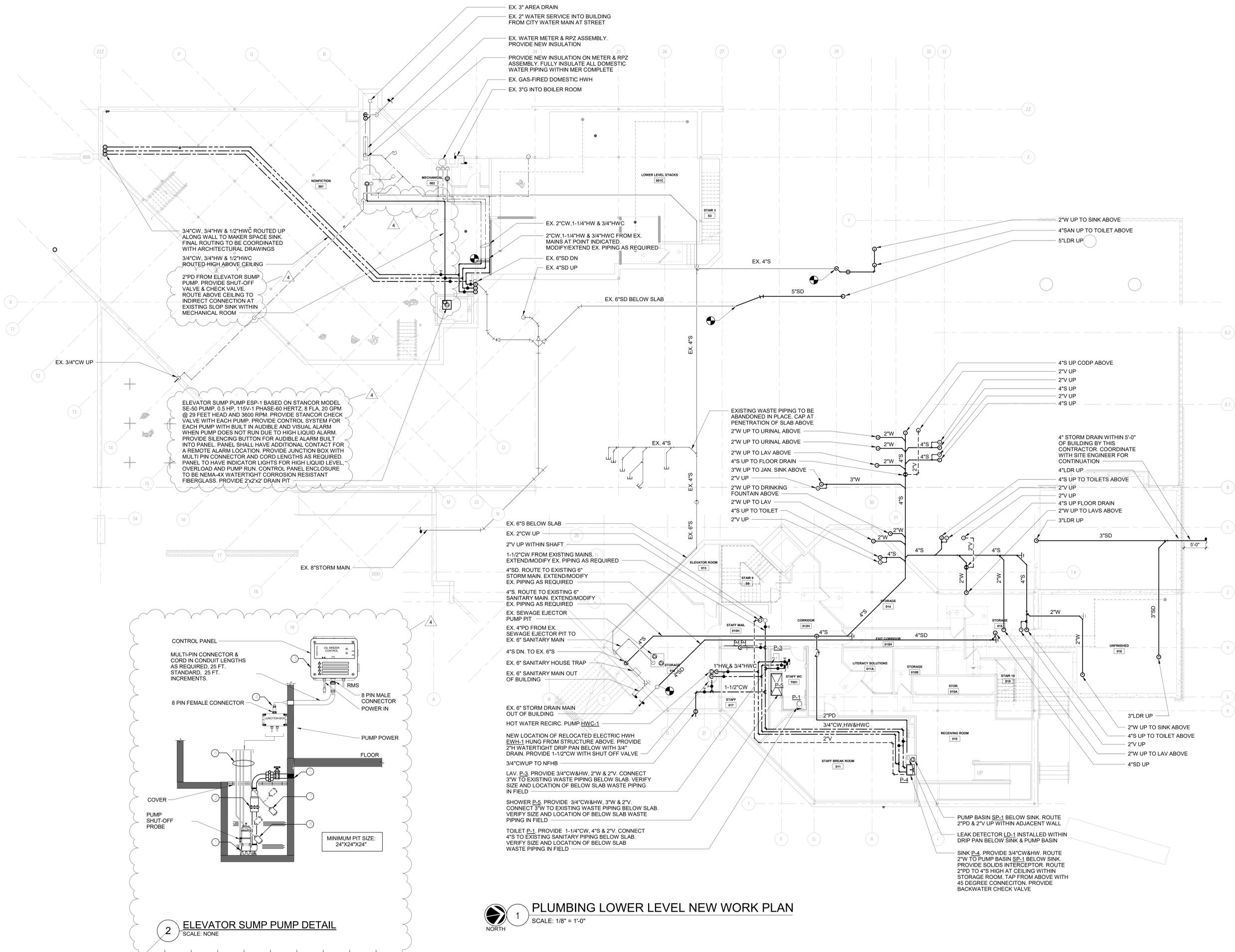
| | | | |
|--|--|--|---|
| | GWB-01 5/8" GYP. BOARD ON SUSPENSION SYSTEM | | SDG-01 SUSPENDED LINEAR WOOD CEILING |
| | GWB-02 5/8" GYP. BOARD ON STRUCTURE | | WD-01 WOOD PANEL CEILING |
| | APC-01 2' x 2' ACoustical PANEL CEILING | | EXISTING ACoustical PANEL CEILING TO REMAIN WHERE INDICATED VARIOUS SIZES |
| | APC-02 2' x 4' ACoustical PANEL CEILING | | APC-03 SUSPENDED BAFFLE CEILING |



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 |

PLUMBING LOWER LEVEL NEW WORK PLAN



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

2 ELEVATOR SUMP PUMP DETAIL
SCALE: NONE

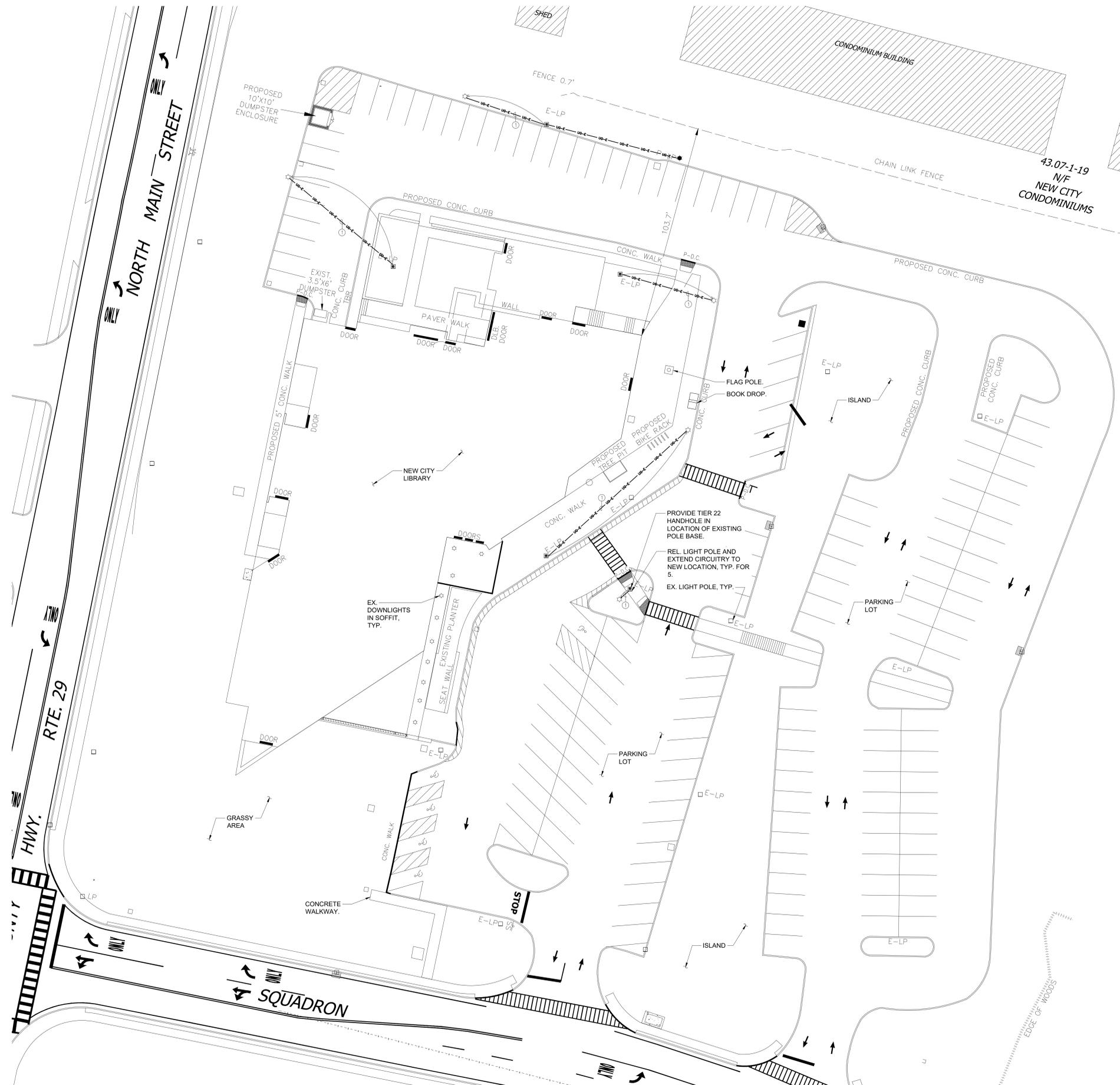
P:\2022\New City Library Addition & Renovation\DWG\PLUMBING\LOWER LEVEL NEW WORK PLAN.dwg

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).



ISSUES AND REVISIONS

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ELECTRICAL SITE PLAN

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

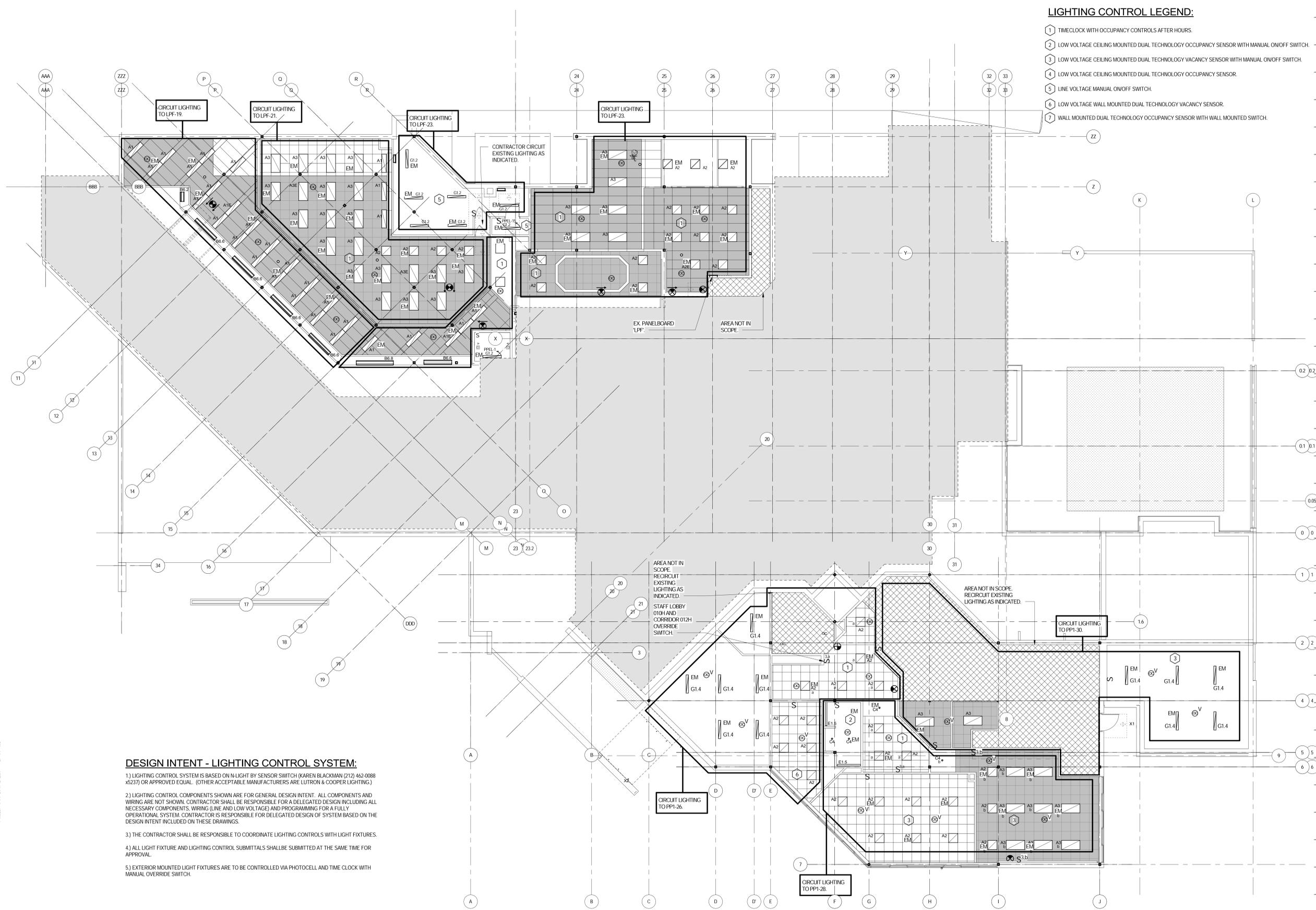
| NO. | SUBMITTAL | DATE |
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ELECTRICAL LOWER LEVEL NEW WORK RCP

E-201
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.



DESIGN INTENT - LIGHTING CONTROL SYSTEM:

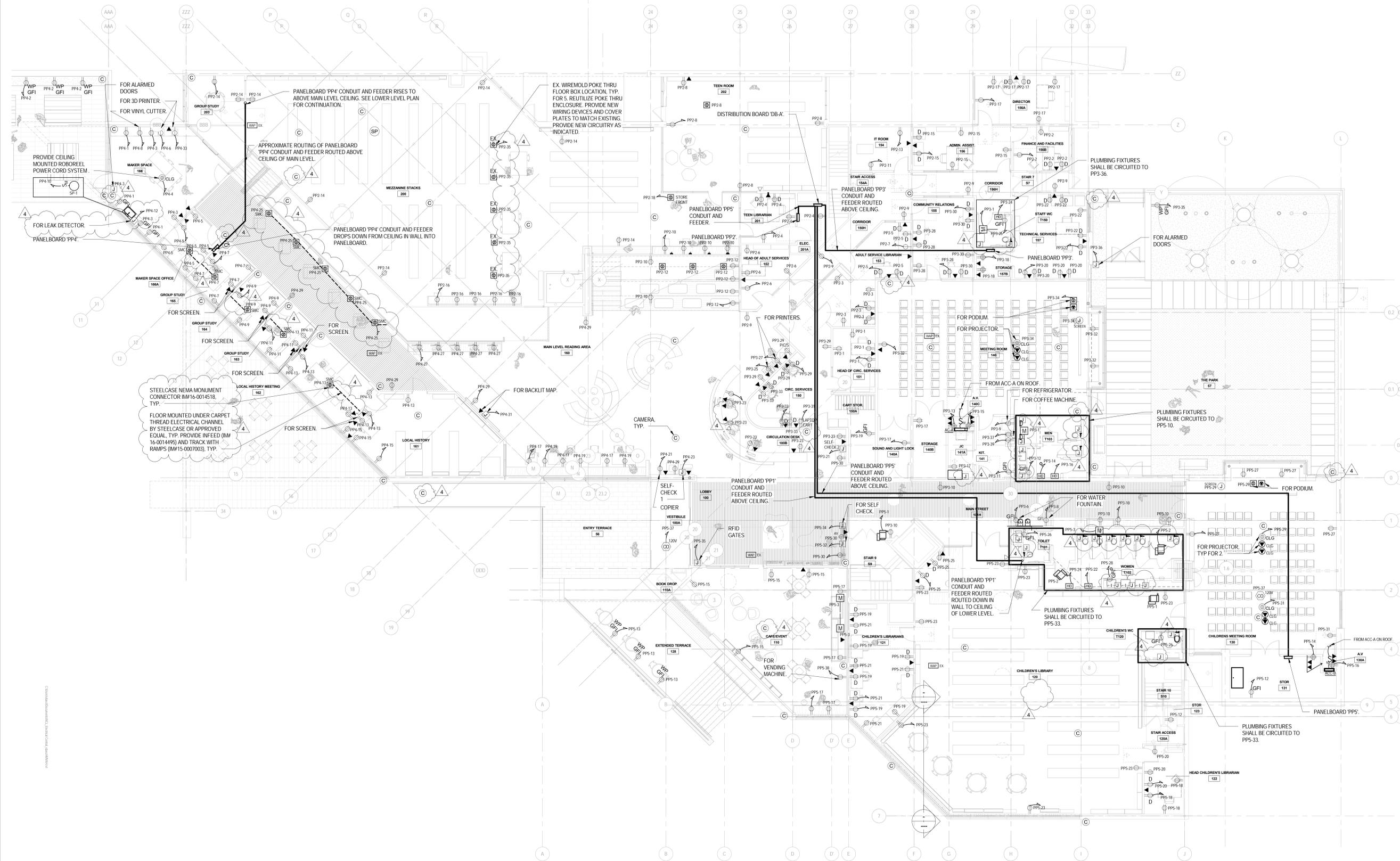
- 1) LIGHTING CONTROL SYSTEM IS BASED ON N-LIGHT BY SENSOR SWITCH (KAREN BLACKMAN (212) 462-0088 x5237) OR APPROVED EQUAL. (OTHER ACCEPTABLE MANUFACTURERS ARE LUTRON & COOPER LIGHTING.)
- 2) LIGHTING CONTROL COMPONENTS SHOWN ARE FOR GENERAL DESIGN INTENT. ALL COMPONENTS AND WIRING ARE NOT SHOWN. CONTRACTOR 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 SHALL BE 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 LOWER LEVEL LIGHTING PLAN
SCALE: 1/8" = 1'-0"
NORTH

PHOTOGRAPHY: PHOTOPARTNERS.COM; DRAWING: VMDO.COM

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

Owner

New City Library Addition & Renovation

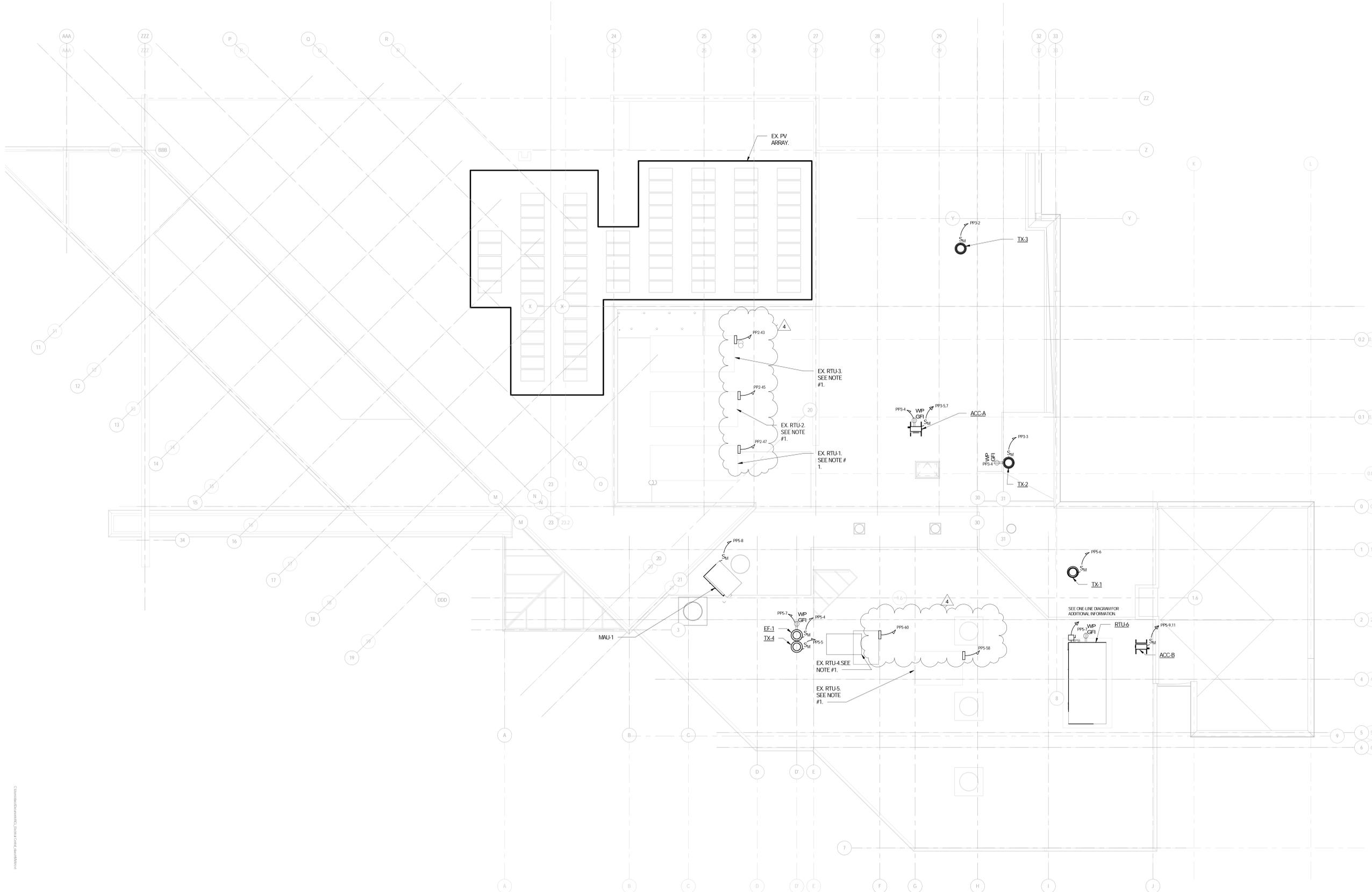
220 N Main St, New City, NY 10956

Client Project Number
VMDO Project Number **NVMD0001.00**

Checked By
Drawn By

Checker
Author

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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" PER CIRCUIT.



1 ELECTRICAL MEZZANINE ROOF

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

ELECTRICAL ROOF NEW WORK PLAN

E-303

CONSTRUCTION DOCUMENTS
01.14.2022

Owner

New City Library Addition & Renovation

220 N Main St, New City, NY 10956

Client Project Number
VMDO Project Number **NVMD0001.00**

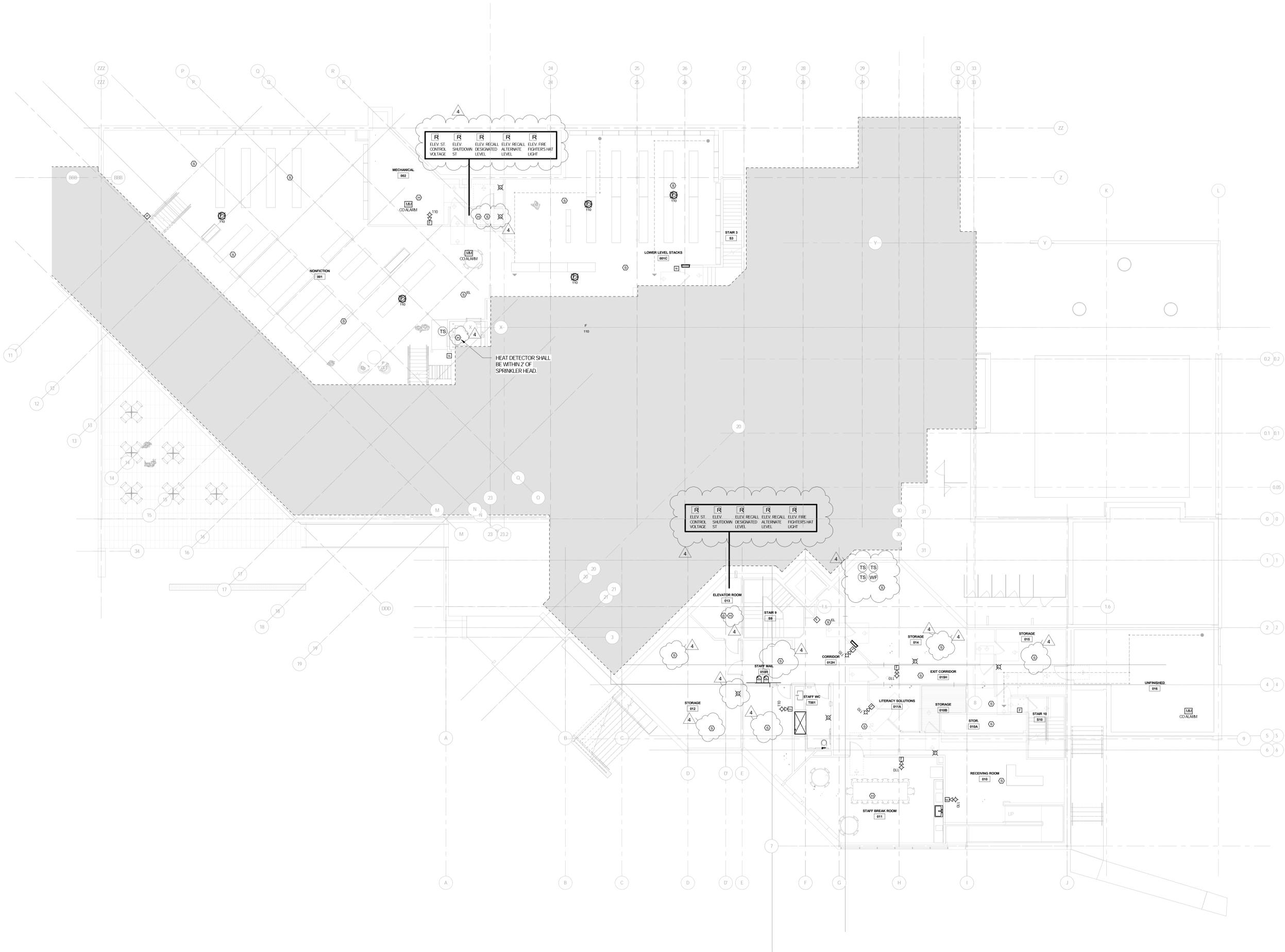
Checked By **ML**
Drawn By **VB**

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



Owner

New City Library Addition & Renovation

220 N Main St, New City, NY 10956

Client Project Number
VMDO Project Number **NVMD0001.00**

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**FIRE ALARM MAIN LEVEL
NEW WORK PLAN**



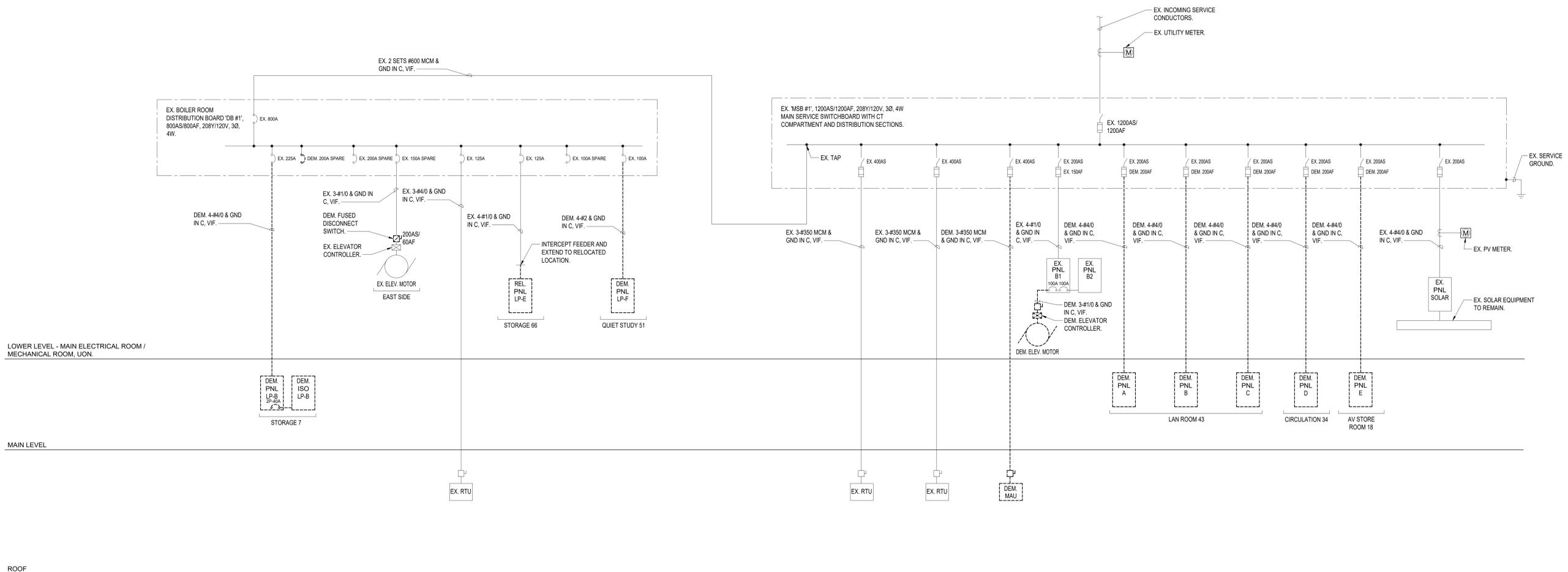
1 FIRE ALARM MAIN LEVEL NEW WORK
SCALE: 1/8" = 1'-0"

ARCHITECT: VMDO ARCHITECTS
 ENGINEER: OLA CONSULTING ENGINEERS
 DATE: 01.14.2022



Checked By
Drawn By

ML
VB



1 ELECTRICAL DEMOLITION ONE-LINE DIAGRAM
SCALE: NONE

ONE-LINE NOTES:

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

ISSUES AND REVISIONS

| NO. | SUBMITTAL | DATE |
|-----|-----------------------------|------------|
| | DESIGN DEVELOPMENT | 07.09.2021 |
| | 40% CONSTRUCTION DOCUMENTS | 11.12.2021 |
| | 100% CONSTRUCTION DOCUMENTS | 01.14.2022 |
| | ADDENDUM 1 | 02.01.2022 |

ELECTRICAL DEMOLITION ONE-LINE DIAGRAM

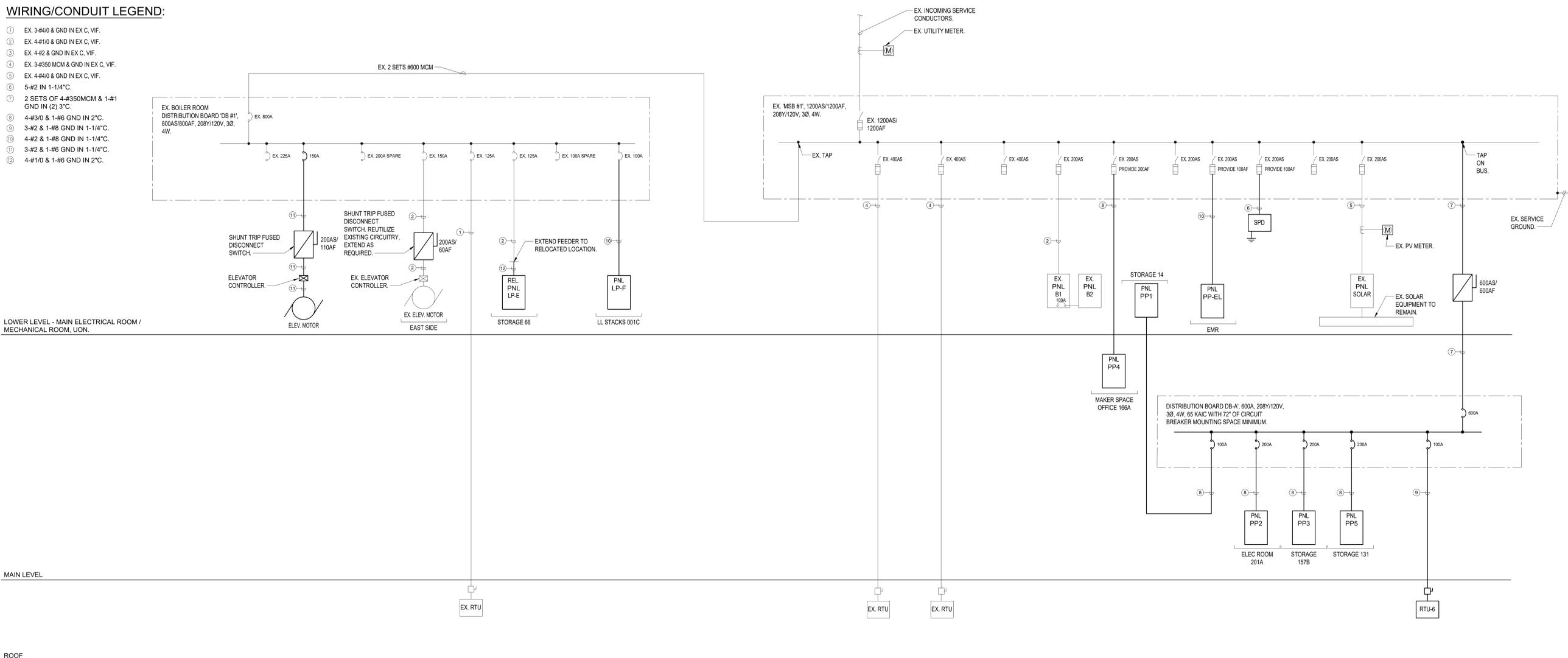
E-501
CONSTRUCTION DOCUMENTS
01.14.2022



| ISSUES AND REVISIONS | | |
|----------------------|-----------------------------|------------|
| NO. | SUBMITTAL | DATE |
| | DESIGN DEVELOPMENT | 07.09.2021 |
| | 60% CONSTRUCTION DOCUMENTS | 11.12.2021 |
| | 100% CONSTRUCTION DOCUMENTS | 01.14.2022 |
| | ADDENDUM 1 | 02.01.2022 |

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.

ELECTRICAL NEW WORK ONE-LINE DIAGRAM

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 4' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME. MINIMUM. |
| B4.4 EM | AXIS | B8DLED-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 | B8DLED-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 | SCVDI-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 | MA-35-02-PH-18-U-FSD-1-1PL-W | 24W LED | UNV | WALL OR CEILING SURFACE | MOFFATT 2' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME. MINIMUM. |
| B6.6 | Pinnacle | MA-35-06-PH-18-U-FSD-1-1PL-W | 72W LED | UNV | WALL OR CEILING SURFACE | MOFFATT 6' LIGHT FIXTURE. PROVIDE EM OPTION WHERE INDICATED FOR 90 MINUTES OF BATTERY BACKUP TIME. MINIMUM. |
| B6.8 | Pinnacle | MA-35-08-PH-18-U-FSD-1-1PL-W | 96W LED | UNV | WALL OR CEILING SURFACE | MOFFATT 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-NF-UPZU-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 CRCL 4' DIAMETER LIGHT FIXTURE |
| D2.6 | ARANCIA | P89-6-N-C-N-A-1-U-0-48-MG | 48W LED | UNV | SUSPENDED | MJ CRCL 6' DIAMETER LIGHT FIXTURE |
| D2.8 | ARANCIA | P89-8-N-C-N-A-1-U-0-48-MG | 64W LED | UNV | SUSPENDED | MJ CRCL 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 | CCVIL-SL-500-90-35-CL-W-UNV-DP-1-AC-B | 5W FTLED | UNV | CEILING | COVE PERFECT 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 FTLED | 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 | FSS44QL840-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 | 8.8W LED | UNV | WALL RECESSED | |
| X2 | BEGA | 24063-K3-BLK | 8.8W 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 LIGHTING | 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.



OLA Project Number: NVM0000100



New City Library

New City Library Addition & Renovation

220 North Main Street
New City, NY 10956



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ML
VB

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 OR 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.
- 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. NON-EXEMPT 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

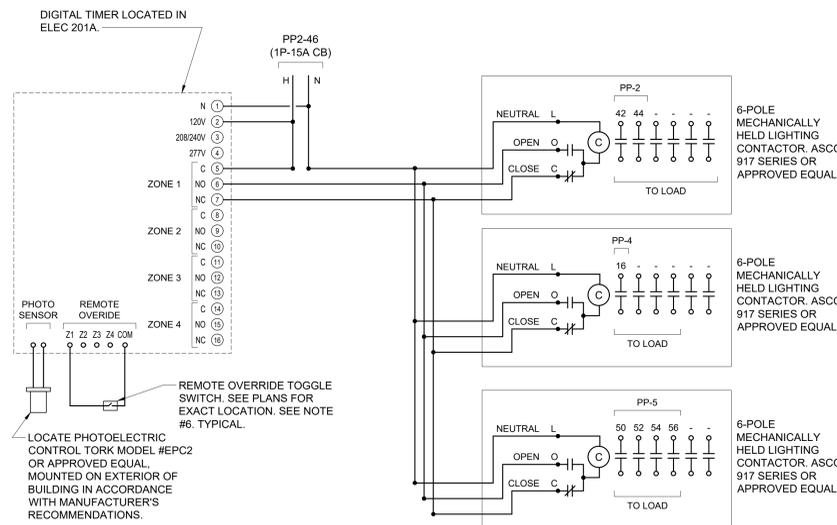
THE DOCUMENTS DESCRIBED IN THIS SECTION SHALL BE PROVIDED TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT WITHIN 60 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

- 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.

ISSUES AND REVISIONS

| NO. | SUBMITTAL | DATE |
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| | 40% CONSTRUCTION DOCUMENTS | 11.12.2021 |
| | 100% CONSTRUCTION DOCUMENTS | 01.14.2022 |
| | ADDENDUM 1 | 02.01.2022 |

ELECTRICAL LIGHTING SCHEDULE



1 EXTERNAL LIGHTING CONTROL SCHEMATIC DIAGRAM
SCALE: NONE

- 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 #DLCA06BP 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.

| 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 | 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 | REC — RM 011 | 12 |
| 13 | REC — RM 011 | 20 | 1 | 1 | 20 | CO ALARM | 14 |
| 15 | REC — RM T001 | 20 | 1 | 1 | 20 | FLOORS TKT. RM T001 | 16 |
| 17 | HVAC CONTROLS | 20 | 1 | 1 | 15 | HWC-1 RM 012 | 18 |
| 19 | HVAC CONTROLS | 20 | 1 | 3 | 15 | UH-A | 20 |
| 21 | HVAC CONTROLS | 20 | 1 | 3 | 15 | UH-A | 22 |
| 23 | HVAC CONTROLS | 20 | 1 | 1 | 20 | EX. SUMP PUMP ELEV. SHAFT | 24 |
| 25 | WATER FOUNTAIN | 20 | 1 | 1 | 20 | LIGHTING | 26 |
| 27 | WATER FOUNTAIN | 20 | 1 | 1 | 20 | LIGHTING | 28 |
| 29 | EW-1 | 20 | 1 | 1 | 20 | LIGHTING | 30 |
| 31 | LEAK DETECTOR — RM 011 | 20 | 1 | 1 | 20 | EX. ROLLING DOOR | 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 | 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 — RM 200 | 18 |
| 19 | HVAC CONTROLS | 20 | 1 | 2 | 30* | EX. DUCT HEATER | 20 |
| 21 | HVAC CONTROLS | 20 | 1 | 2 | 30* | EX. DUCT HEATER | 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:

| 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 | 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 | 1 | 20 | EX. LOAD | 38 |
| 39 | REC — RM 141 | 20 | 1 | 3 | 20* | EX. LOAD | 40 |
| 41 | EX. VAV | 20ST# | 1 | 1 | 20# | EX. DOOR OPENER | 42 |
| 43 | — | — | — | 1 | 20# | EX. DUCT HEATER | 44 |
| 45 | EX. VAV | 20ST# | 1 | 1 | 20# | EX. LOAD — EXHAUST FANS | 46 |
| 47 | — | — | — | 1 | 20# | EX. VAV | 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:

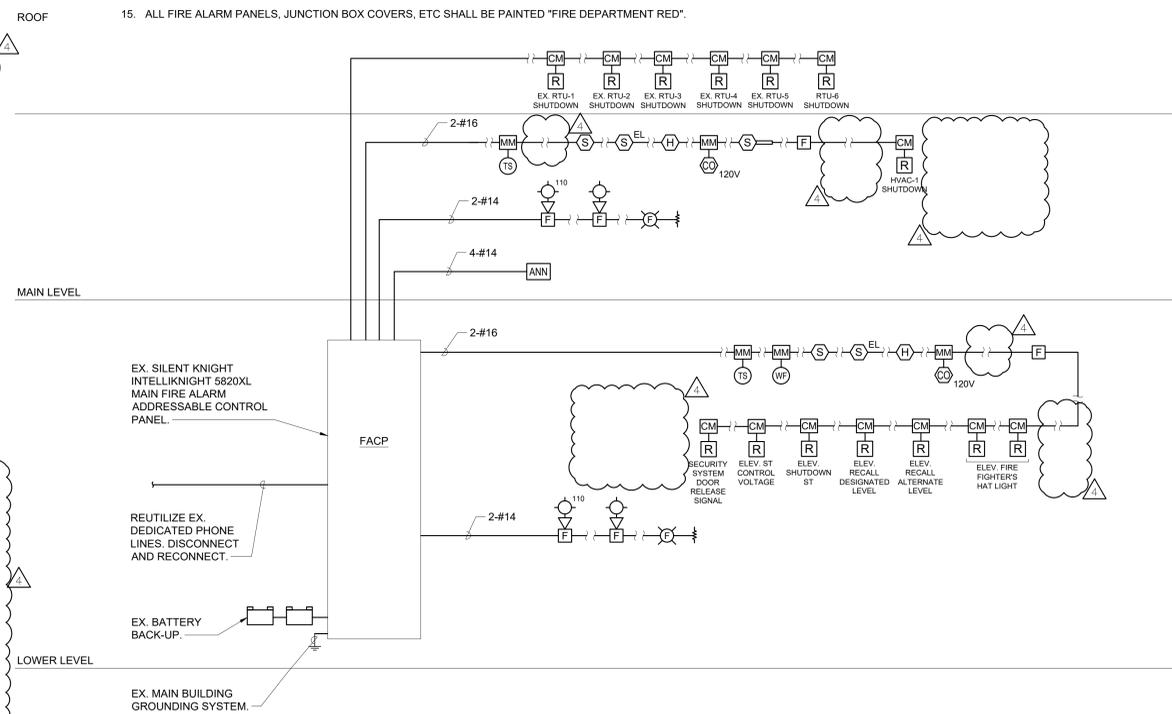
| PP4 PANEL SCHEDULE | | | | | | | |
|--------------------|--------------------------|-----------------|--------------|----------------------------|---------------------------|---------------------------|----|
| MAIN RATING: 200A | | MAIN C.B.: 200A | | KAIC RATING: 22KAIC | | | |
| VOLTAGE: 208Y/120V | | PHASE: 3 | | WIRE: 4 MOUNTING: RECESSED | | | |
| CIRC. NO. | LOAD DESCRIPTION | BKR. AMPS | NO. OF POLES | NO. OF POLES | BKR. AMPS | 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 | 20 | EX. SUMP PUMP ELEV. SHAFT | 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 | 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:**
- 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.
 - 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.
 - 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.
 - PROVIDE ALL NECESSARY WIRING, MODULES, COMPONENTS, EXTENDER CABINET, AND PROGRAMMING REQUIRED TO CONNECT NEW DEVICES TO EXISTING SYSTEM.
 - PROVIDE ALL NECESSARY HARDWARE AND PROGRAMMING TO PROVIDE THE CLIENT WITH 20% SPARE CAPACITY ON ALL INITIATING AND INDICATING CIRCUITS.
 - 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, TAMPERS SWITCHES, FLOW SWITCHES, ETC. INCLUDE ALL LABOR AND MATERIALS INCLUDING WIRE, BOXES, CONDUIT, TERMINATIONS, HARDWARE, SOFTWARE, PROGRAMMING AND TESTING.
 - 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.
 - DUCT SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR AND INSTALLED IN DUCT WORK BY MECHANICAL CONTRACTOR.
 - ALL VISUAL ALARM DEVICES SHALL BE ADA COMPLIANT.
 - ELECTRICAL CONTRACTOR TO PROVIDE A RELAY FOR EACH SMOKE DAMPER/COMBINATION FIRE SMOKE DAMPER. RELAYS ARE NOT SHOWN ON PLANS FOR CLARITY.
 - 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.
 - 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.
 - 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.
 - BATTERY BACKUP FOR FACP SHALL PROVIDE A MINIMUM OF 24 HOURS OF STAND BY POWER FOLLOWED BY 45 MINUTES OF ALARM.
 - ALL FIRE ALARM PANELS, JUNCTION BOX COVERS, ETC SHALL BE PAINTED "FIRE DEPARTMENT RED".

VMDO

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OLA Consulting Engineers
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New York, NY 10032
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8 West 38th Street,
Suite 501
New York, NY 10018
646.849.4110

OLA Project Number: NVM0000100



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 | | DATE |
|----------------------------|-----------------------------|------------|
| NO. SUBMITTAL | DESIGN DEVELOPMENT | 07.09.2021 |
| 40% CONSTRUCTION DOCUMENTS | 100% CONSTRUCTION DOCUMENTS | 11.12.2021 |
| ADDENDUM 1 | | 01.14.2022 |

ELECTRICAL SCHEDULES AND FIRE ALARM RISER DIAGRAM

| 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 | 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 | PLUMBING FIXT. RM T101/T102 | 20 | 1 | 1 | 20 | PLUMBING FIXT. RM T150 | 36 |
| 37 | CO ALARMS | 20 | 1 | 1 | 20 | REC - RM T101 | 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 |



| 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 | 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 ALARMS | 16 |
| 17 | REC - LIGHTING | 20 | 1 | 1 | 20 | EX. LOAD | 18 |
| 19 | LIGHTING | 20 | 1 | 1 | 20 | EX. LOAD | 20 |
| 21 | LIGHTING | 20 | 1 | 1 | 20 | EX. LOAD | 22 |
| 23 | LIGHTING | 20 | 1 | 1 | 20 | EX. LOAD | 24 |
| 25 | LIGHTING | 20 | 1 | 1 | 20 | EX. LOAD | 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 |



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



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 New York, 10532
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 8 West 38th Street,
 Suite 501
 New York, NY 10018
 646.849.4110



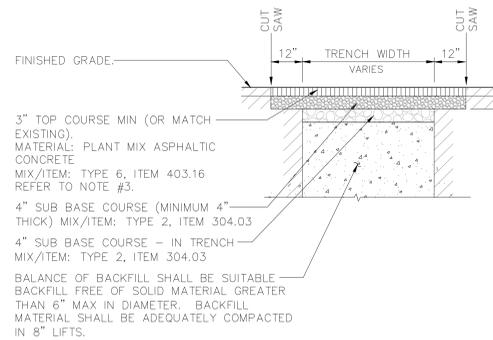
New City Library
 New City Library Addition & Renovation
 220 North Main Street
 New City, NY 10956



Checked By ML
 Drawn By VB

| ISSUES AND REVISIONS | | |
|----------------------|-----------------------------|------------|
| NO. | SUBMITTAL | DATE |
| | DESIGN DEVELOPMENT | 07.09.2021 |
| | 40% CONSTRUCTION DOCUMENTS | 11.12.2021 |
| | 100% CONSTRUCTION DOCUMENTS | 01.14.2022 |
| △ | ADDENDUM 1 | 02.01.2022 |

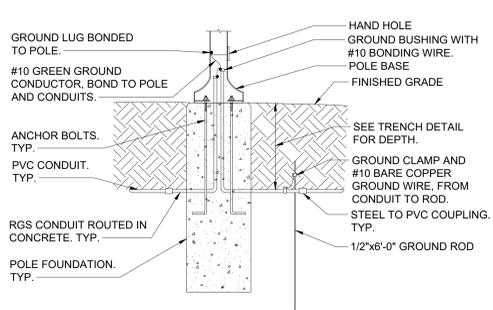
ELECTRICAL SCHEDULES
 AND FIRE ALARM RISER
 DIAGRAM



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.

BITUMINOUS PAVEMENT REPLACEMENT DETAIL
 SCALE: NONE

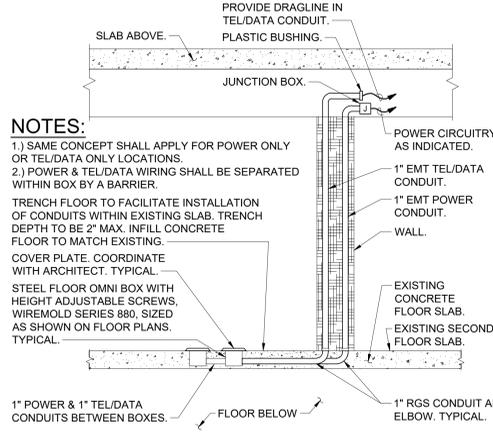
15



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

LIGHT POST ELECTRICAL INSTALLATION DETAIL
 SCALE: NONE

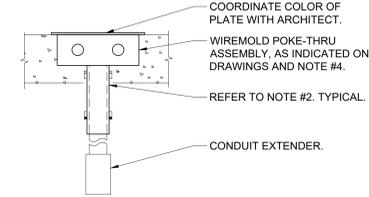
12



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.
 COVER PLATE. COORDINATE WITH ARCHITECT. TYPICAL.
 STEEL FLOOR OMNI BOX WITH HEIGHT ADJUSTABLE SCREWS, WIREMOLD SERIES 880, SIZED AS SHOWN ON FLOOR PLANS. TYPICAL.

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

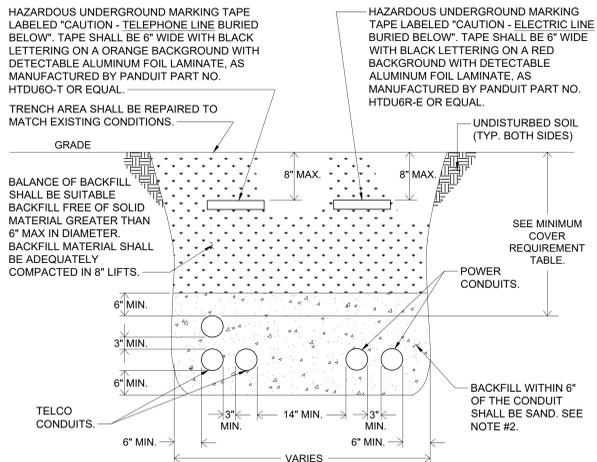
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NOTES:
 1. FIRE STOP SLEEVE ON UPPER AND UNDERSIDE OF FLOOR SLAB WITH 3 HOUR RATED FIRE STOP AS MANUFACTURED BY SPECIFIED TECHNOLOGIES INC. (ST) SPEC SEAL SSS INTUMESCENT SEALANT OR APPROVED EQUAL.
 2. POKE-THRU SHALL BE MIN. 2'-0" APART FROM EACH 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 # RC3AT0 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.

POKE-THRU DEVICE INSTALLATION DETAIL
 SCALE: NONE

4



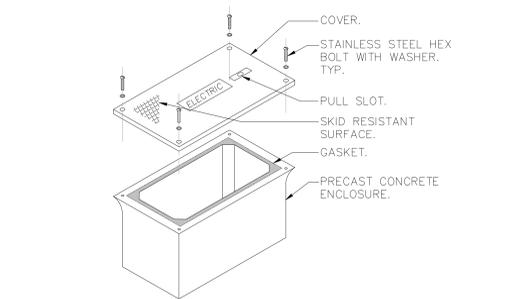
TRENCHING DETAIL FOR CONDUIT
 SCALE: NONE

14

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" |

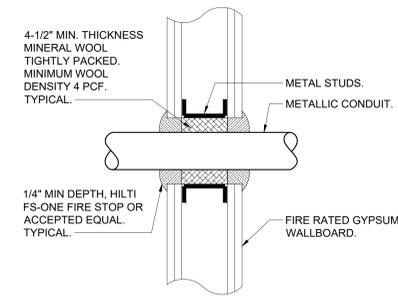
NOTES:
 1. DETAIL SHOWN FOR INFORMATION PURPOSES. SAME CONCEPT SHALL ALSO APPLY FOR SINGLE CONDUITS.
 2. SAND MAY BE OMITTED FOR INSTALLATIONS WHERE COVER REQUIREMENTS ARE 6" OR LESS.



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.).

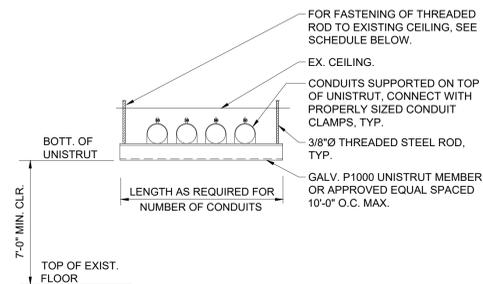
HAND HOLE DETAIL
 SCALE: NONE

13



TYPICAL FIRE RATED GYPSUM WALL CONDUIT PENETRATION DETAIL
 SCALE: NONE

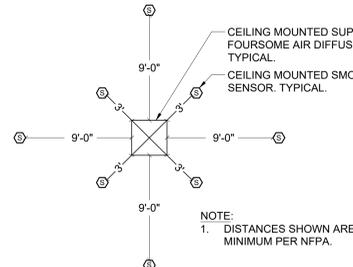
11



| 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 |

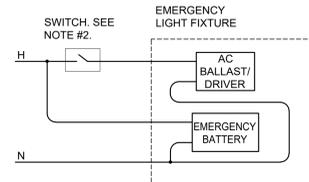
TRAPEZE SUPPORT DETAIL
 SCALE: NONE

7



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

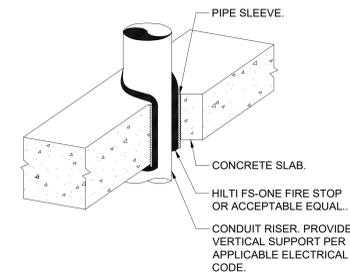
10



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.

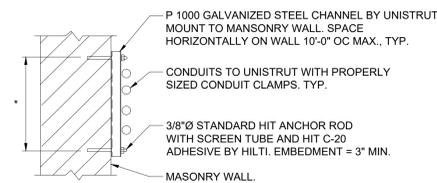
SWITCHED EMERGENCY FIXTURE WIRING DIAGRAM
 SCALE: NONE

9



TYPICAL VERTICAL CONDUIT PENETRATION DETAIL
 SCALE: NONE

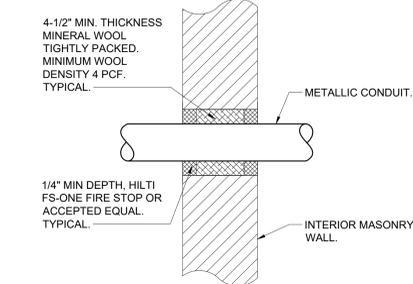
6



* LENGTH AS REQUIRED FOR NUMBER OF CONDUITS

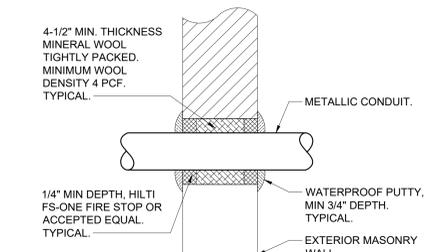
TYPICAL CONDUIT SUPPORT ON MASONRY DETAIL
 SCALE: NONE

5



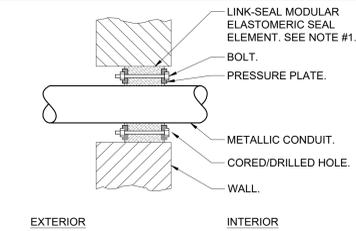
TYPICAL INTERIOR MASONRY WALL CONDUIT PENETRATION DETAIL
 SCALE: NONE

3



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

2



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.

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

1



ISSUES AND REVISIONS

| NO. | SUBMITTAL | DATE |
|-----|-----------------------------|------------|
| | DESIGN DEVELOPMENT | 07.09.2021 |
| | 40% CONSTRUCTION DOCUMENTS | 11.12.2021 |
| | 100% CONSTRUCTION DOCUMENTS | 01.14.2022 |
| | BID ADDENDUM 1 | 01.28.2022 |