



VMDO Architects
200 E Market St
Charlottesville, Va 22902
434.296.5684
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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
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MEP ENGINEER
OLA Consulting Engineers, PC
50 Broadway, Suite 2
Hawthorne, NY 10532
(914) 747-2800
olace.com

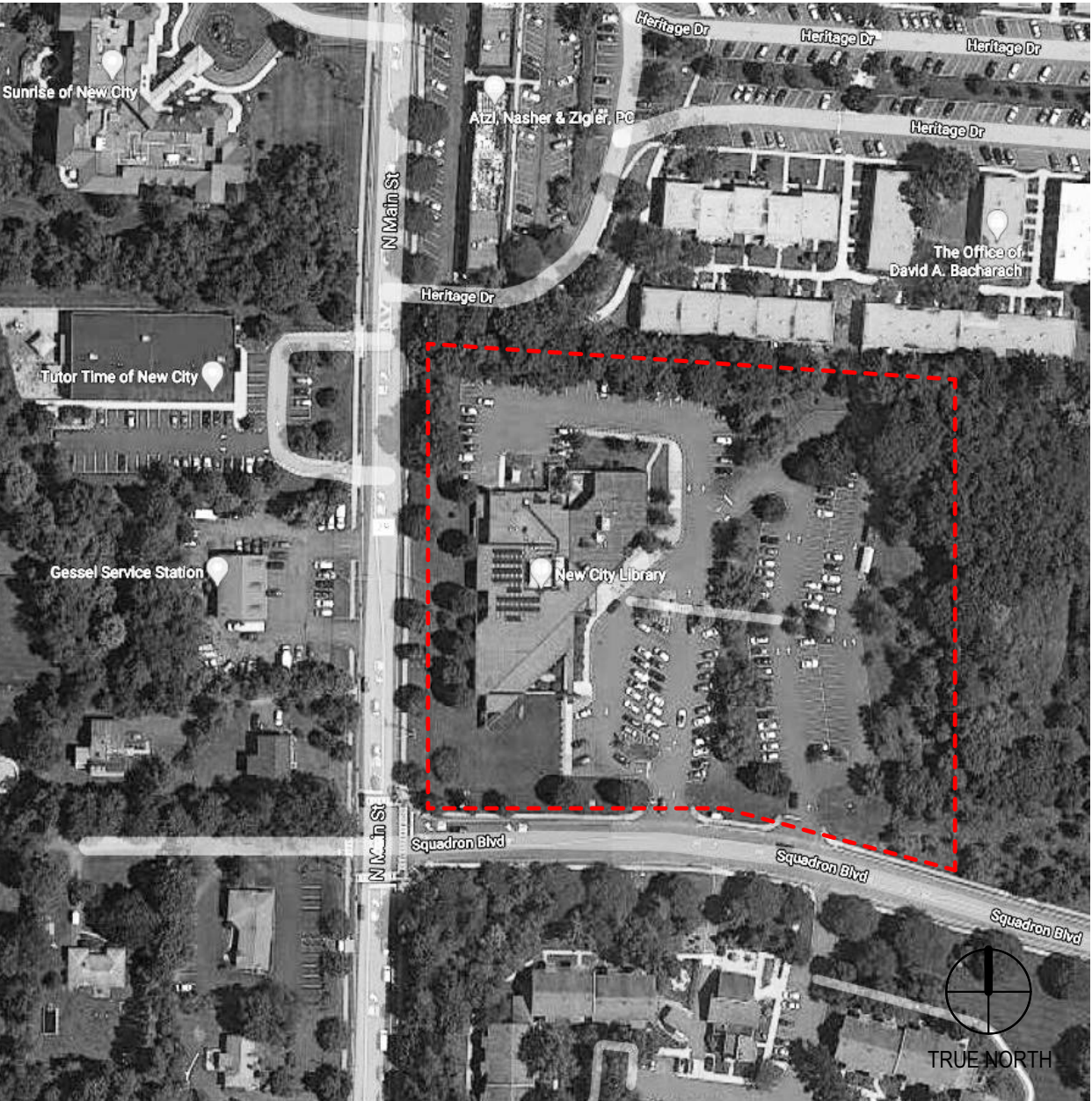
STRUCTURAL ENGINEER
McLaren Engineering Group
5230 Chestnut Ridge Road
Woodcliff Lake, NJ 07677
(201) 775-6000
mgmclaren.com

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

VICINITY MAP



SITE MAP



DRAWING LIST

GENERAL		PLUMBING
G001	TITLE SHEET	P001
G100	LIFE SAFETY - CODE SUMMARY	P001
G111	LIFE SAFETY PLANS	P101
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CIVIL		P201
C 1	FINAL OVERALL SITE DEVELOPMENT PLAN	P202
C 2	FINAL EXISTING CONDITION	P203
C 3	FINAL PHASE ONE SITE DEVELOPMENT PLAN	P501
C 4	FINAL PHASE TWO SITE DEVELOPMENT PLAN	P502
C 5	FINAL DETAILS	P701
C 6	FINAL EROSION & SEDIMENT CONTROL PLAN	PLUMBING: 9
C 7	FINAL TREE PRESERVATION PLAN	MECHANICAL
C 8	FINAL LIGHTING PLAN	M001
C 9	FINAL FIRE TRUCK TURNING PLAN (PHASE TWO)	M101
CIVIL: 9		M102
LANDSCAPE		M103
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L102	LANDSCAPE - LAYOUT	M202
L301	LANDSCAPE - GRADING	M203
L401	LANDSCAPE - MATERIALS	M601
L701	LANDSCAPE - PLANTING	M701
L801	LANDSCAPE - DETAILS	M702
L802	LANDSCAPE - DETAILS	MECHANICAL: 10
LANDSCAPE: 7		ELECTRICAL
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S001	GENERAL NOTES, ABBREVIATIONS, & SHEET INDEX	E100
S002	GENERAL PROJECT INFORMATION	E101
D100	FOUNDATION DEMO PLAN	E102
D101	MAIN LEVEL DEMO PLAN	E103
D102	MEZZANINE LEVEL DEMO PLAN	E201
D103	ROOF LEVEL DEMO PLAN	E202
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S101	MAIN LEVEL FRAMING PLAN	E302
S102	MEZZANINE LEVEL FRAMING PLAN	E303
S103	ROOF LEVEL FRAMING PLAN	E401
S300	TYP FOUNDATION DETAILS	E402
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S320	UNIT MASONRY DETAILS	E502
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ARCHITECTURAL		E603
A001	ABBREVIATIONS & NOTES	E701
A002	PARTITION & FLOOR TYPES	ELECTRICAL: 19
A003	TYPICAL FIRE PROTECTION & SOUND ATTENUATION DETAILS	FIRE PROTECTION
A010	ARCHITECTURAL SITE PLAN	SP001
AD001	SITE DEMOLITION PLAN	SP101
AD101	DEMOLITION PLAN - LOWER LEVEL & BASEMENT	SP102
AD111	DEMOLITION PLAN - FIRST FLOOR & MEZZANINE	SP201
AD201	DEMOLITION RCP - LOWER LEVEL & BASEMENT	SP202
AD202	DEMOLITION RCP - FIRST FLOOR & MEZZANINE	SP701
AD301	KEY DEMOLITION ELEVATIONS	FIRE PROTECTION: 6
A101	FLOOR PLAN - LOWER LEVEL & BASEMENT	AV / SECURITY
A111	FLOOR PLAN - FIRST FLOOR & MEZZANINE	AV 00.001
A131	ROOF PLAN	AV 00.002
A201	REFLECTED CEILING PLAN - LOWER LEVEL & BASEMENT	AV 00.501
A211	REFLECTED CEILING PLAN - FIRST FLOOR & MEZZANINE	AV 00.502
A250	CEILING DETAILS	AV 00.503
A301	KEY EXTERIOR ELEVATIONS	AV 01.101
A302	KEY BUILDING SECTIONS	AV 02.101
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A312	EXTERIOR ELEVATIONS - SITE WALLS	SC-001
A401	WALL SECTIONS	SC-002
A402	WALL SECTIONS	SC-100
A403	WALL SECTIONS	SC-101
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A510	FOUNDATION DETAILS	SC-300
A520	ENVELOPE DETAILS	SC-400
A530	EXTERIOR OPENING DETAILS	SC-500
A531	EXTERIOR OPENING DETAILS	AV / SECURITY: 19
A540	ROOF DETAILS	SHEET TOTAL: 153
A601	ELEVATOR AXONS, PLANS & SECTIONS	
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A605	RAILING ELEVATIONS	
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A710	ENLARGED PLANS & INTERIOR ELEVATIONS	
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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	
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A932	FURNITURE PLAN - FIRST FLOOR & MEZZANINE	
ARCHITECTURAL: 56		

VMDO

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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

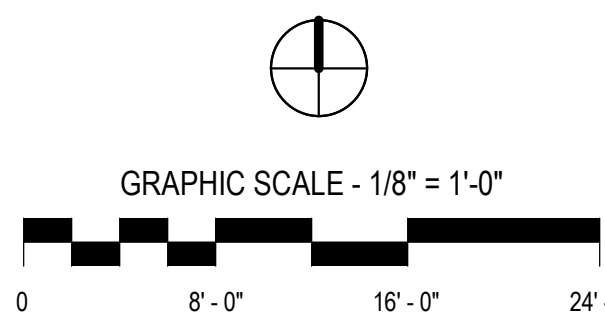
NO.	SUBMITTAL	DATE
1	100% CONSTRUCTION DOCUMENTS	01.14.2022
1	ADDENDUM 1	02.01.2022

TITLE SHEET

G001

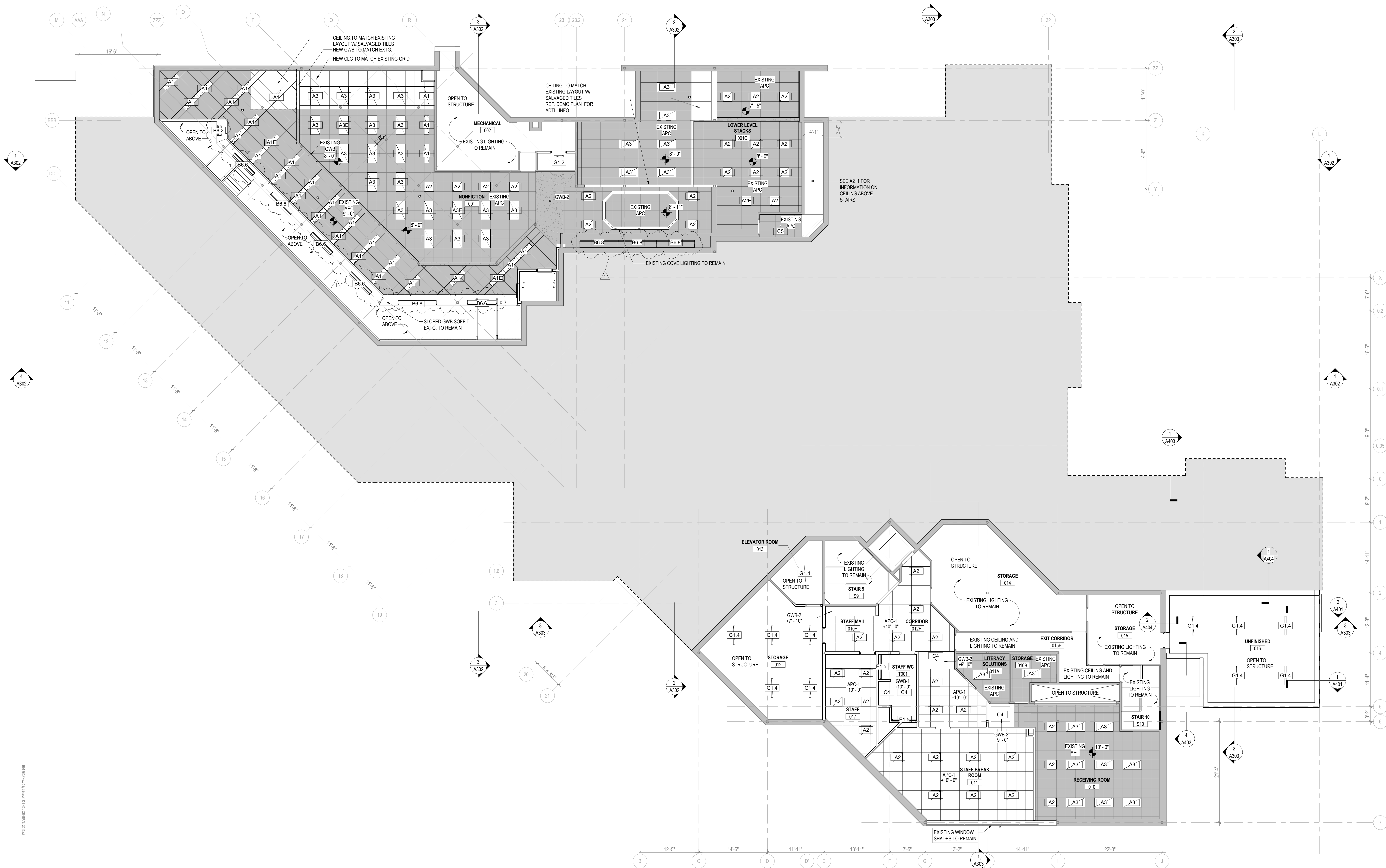
CONSTRUCTION DOCUMENTS

01.14.2022



ISSUES AND REVISIONS		
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REFLECTED CEILING
PLAN - LOWER LEVEL &
BASEMENT

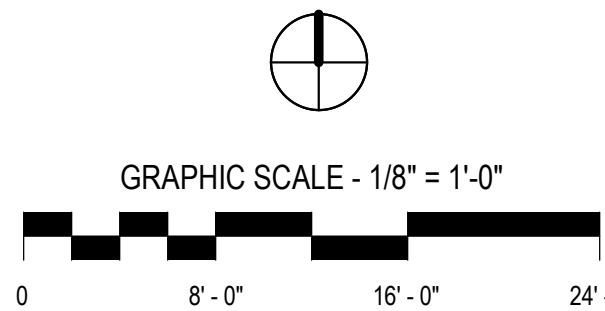


LEGEND - CEILING TYPE

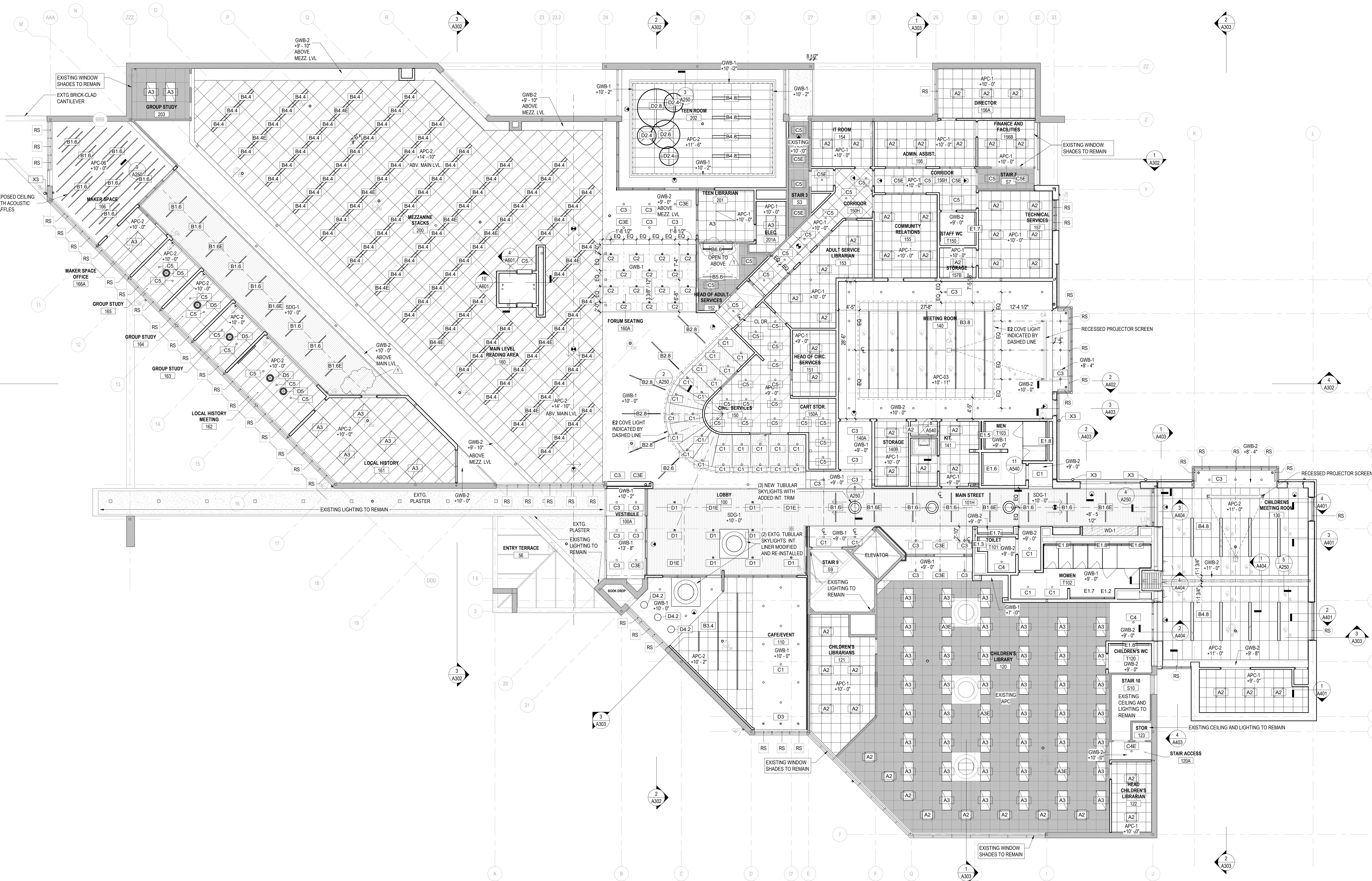
	GWP-01	5/8" GYP. BOARD ON SUSPENSION SYSTEM		SDG-01	SUSPENDED LINEAR WOOD CEILING
	GWP-02	5/8" GYP. BOARD ON STRUCTURE		WD-01	WOOD PANEL CEILING
	APC-01	2' x 2' ACOUSTIC PANEL CEILING		APC-02	2' x 4' ACOUSTIC PANEL CEILING
	APC-02	2' x 4' ACOUSTIC PANEL CEILING		APC-03	SUSPENDED BAFFLE CEILING
	APC-03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

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.



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NO.	SUBMITTAL	DATE
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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.
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- 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 N Main St, New City, NY 10956



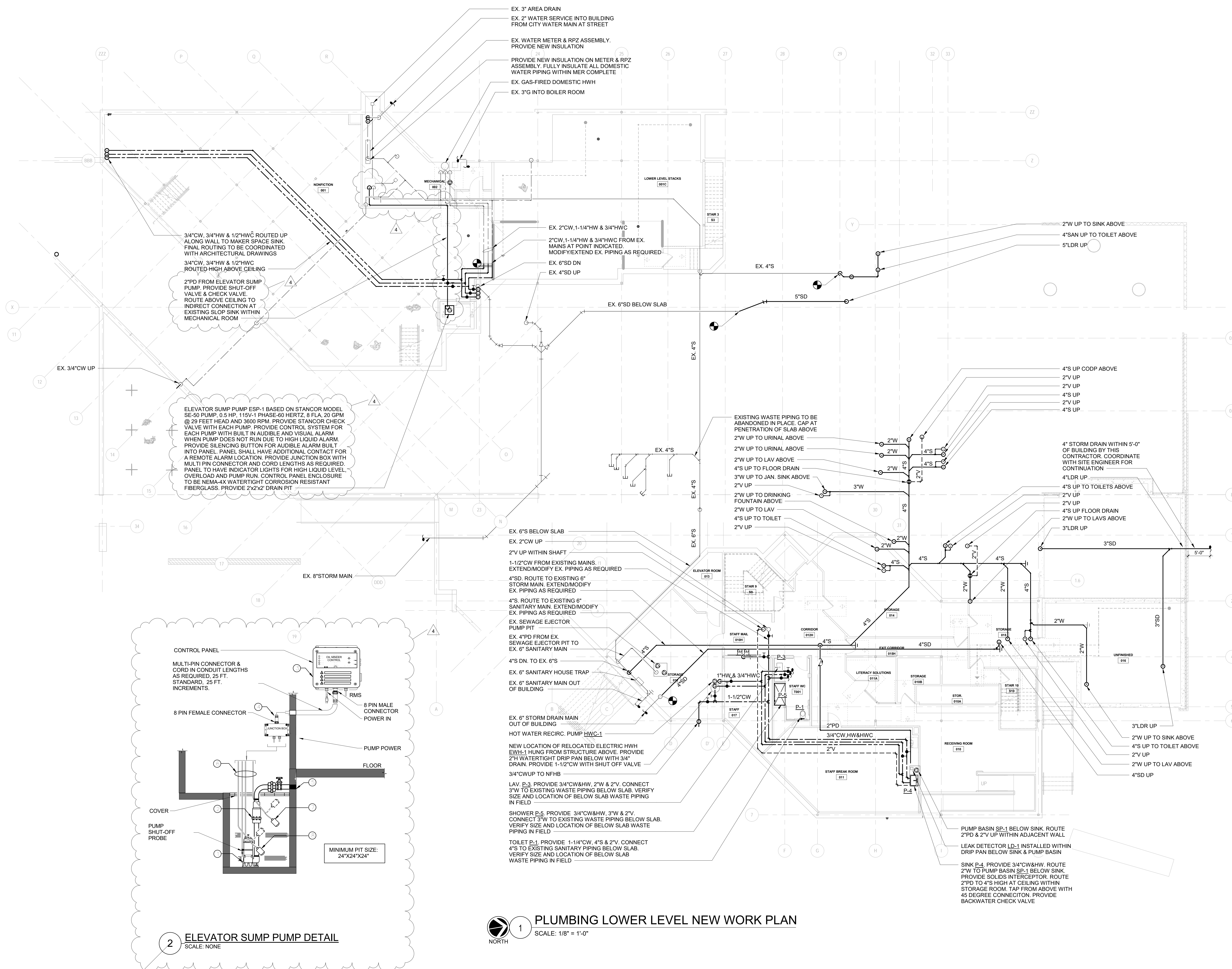
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RG
AME

ISSUES AND REVISIONS		
NO.	SUBMITTAL	DATE
1	DESIGN DEVELOPMENT	07.09.2021
2	60% CONSTRUCTION DOCUMENTS	11.12.2021
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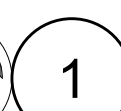
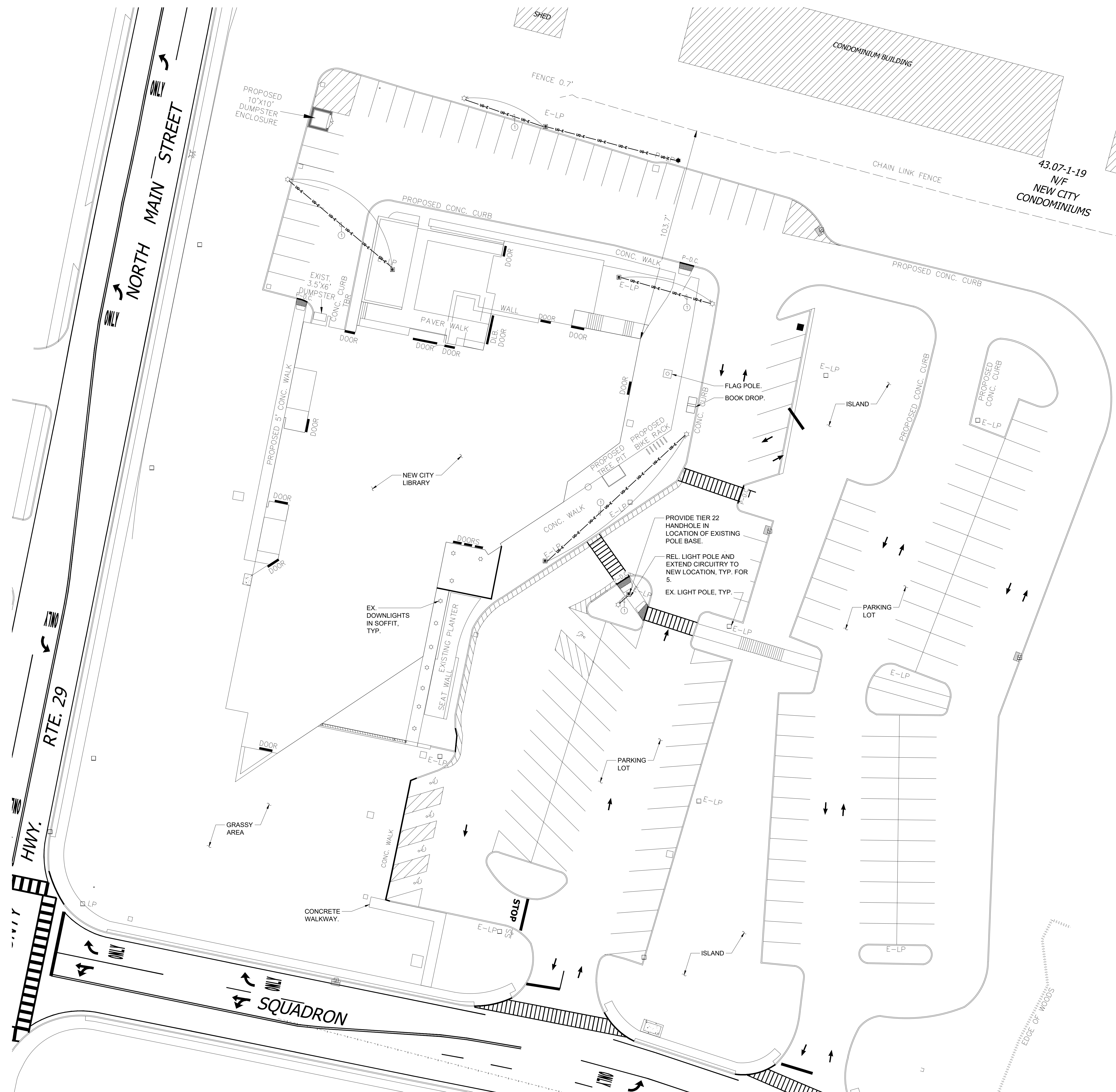
PLUMBING LOWER LEVEL NEW WORK PLAN

P-201
CONSTRUCTION DOCUMENTS
01.14.2022



① 2-#10 & 1-#10 GND IN 1"C.

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).



SCALE: 1" = 30'-0"



220 N Main St, New City, NY 10956

Client Project Number
VMDO Project Number NVMD0001.00

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Drawn By	VE

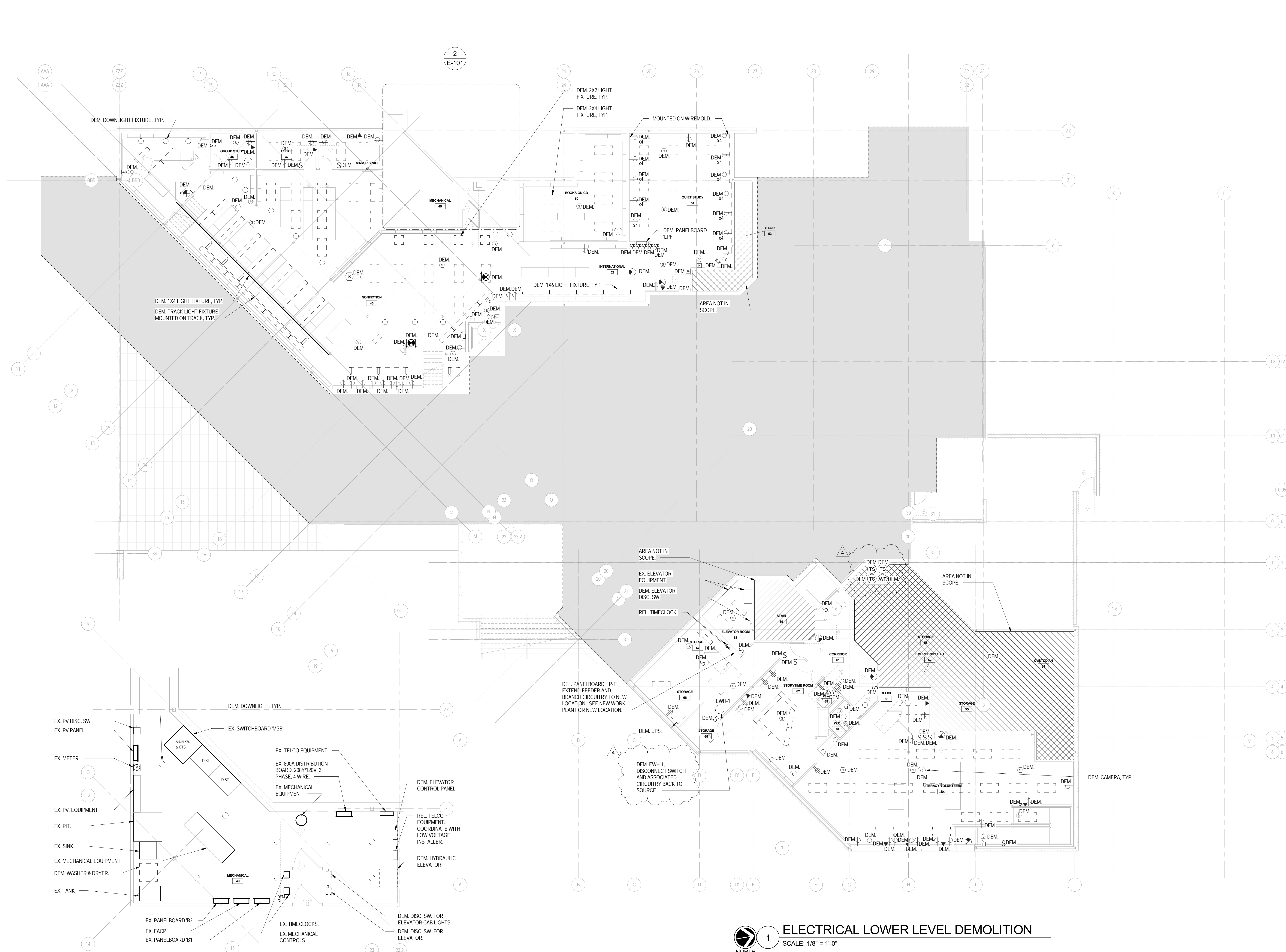
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ELECTRICAL LOWER LEVEL DEMOLITION PLAN

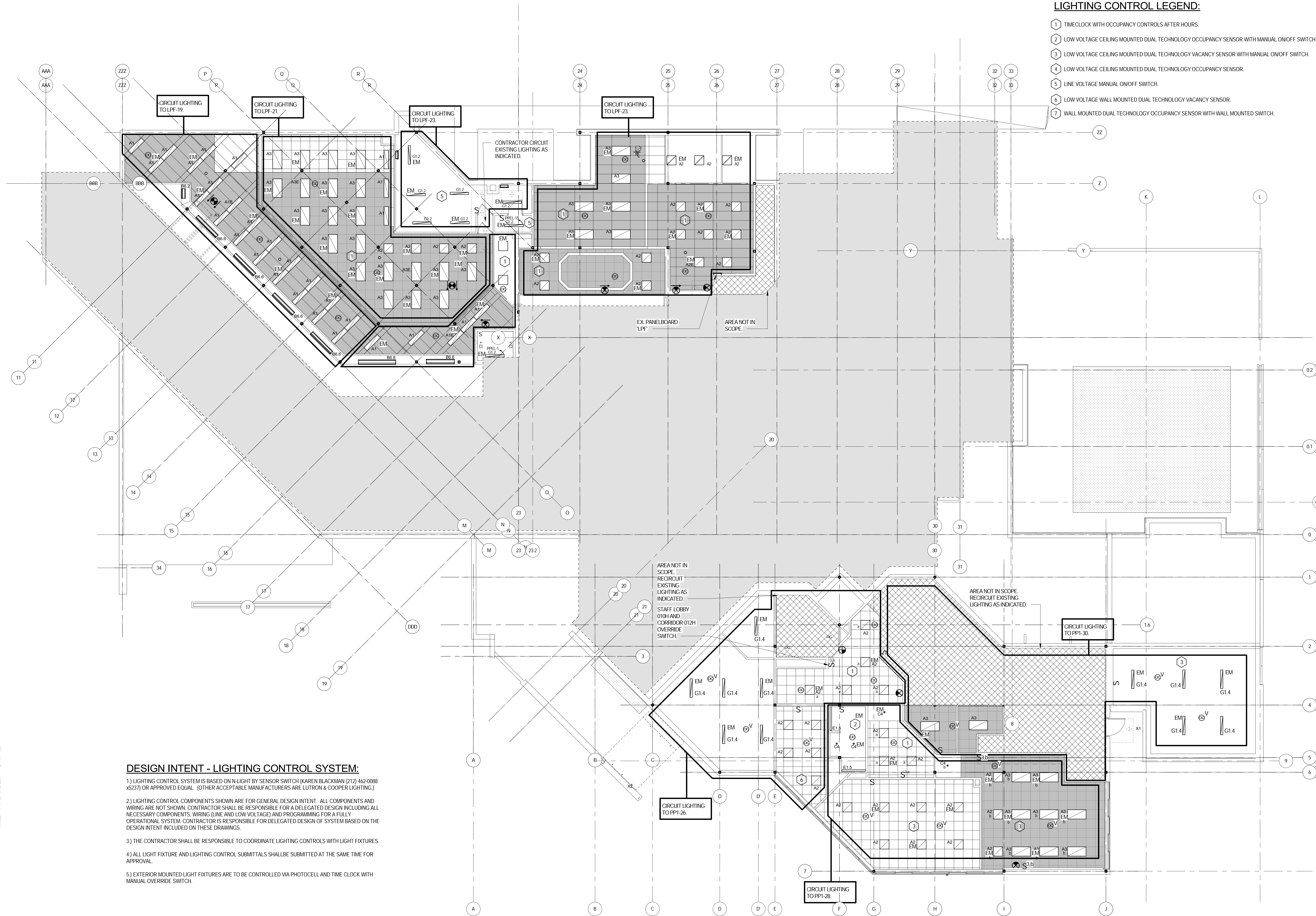
E-101

CONSTRUCTION DOCUMENTS

01.14.2022



PROPOSED PLANS SHOWN. CONSTRUCTION DOCUMENTS.



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"

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.

VMDO

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Suite 501
New York, NY 10018
646.849.4110
olace.com



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		
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ELECTRICAL LOWER LEVEL NEW WORK RCP

E-201
CONSTRUCTION DOCUMENTS
01.14.2022



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

- 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.



OLAN
CONSULTING
ENGINEER

olace.com



New City
Library

New City Library Addition & Renovation

Client Project Number
VMDO Project Number NVMD0001.00

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Drawn By VE

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ELECTRICAL MAIN LEVEL
NEW WORK RCP

E-202

CONSTRUCTION DOCUMENTS
01.14.2022



Owner

New City Library Addition &
Renovation

220 N Main St, New City, NY 10956

Client Project Number
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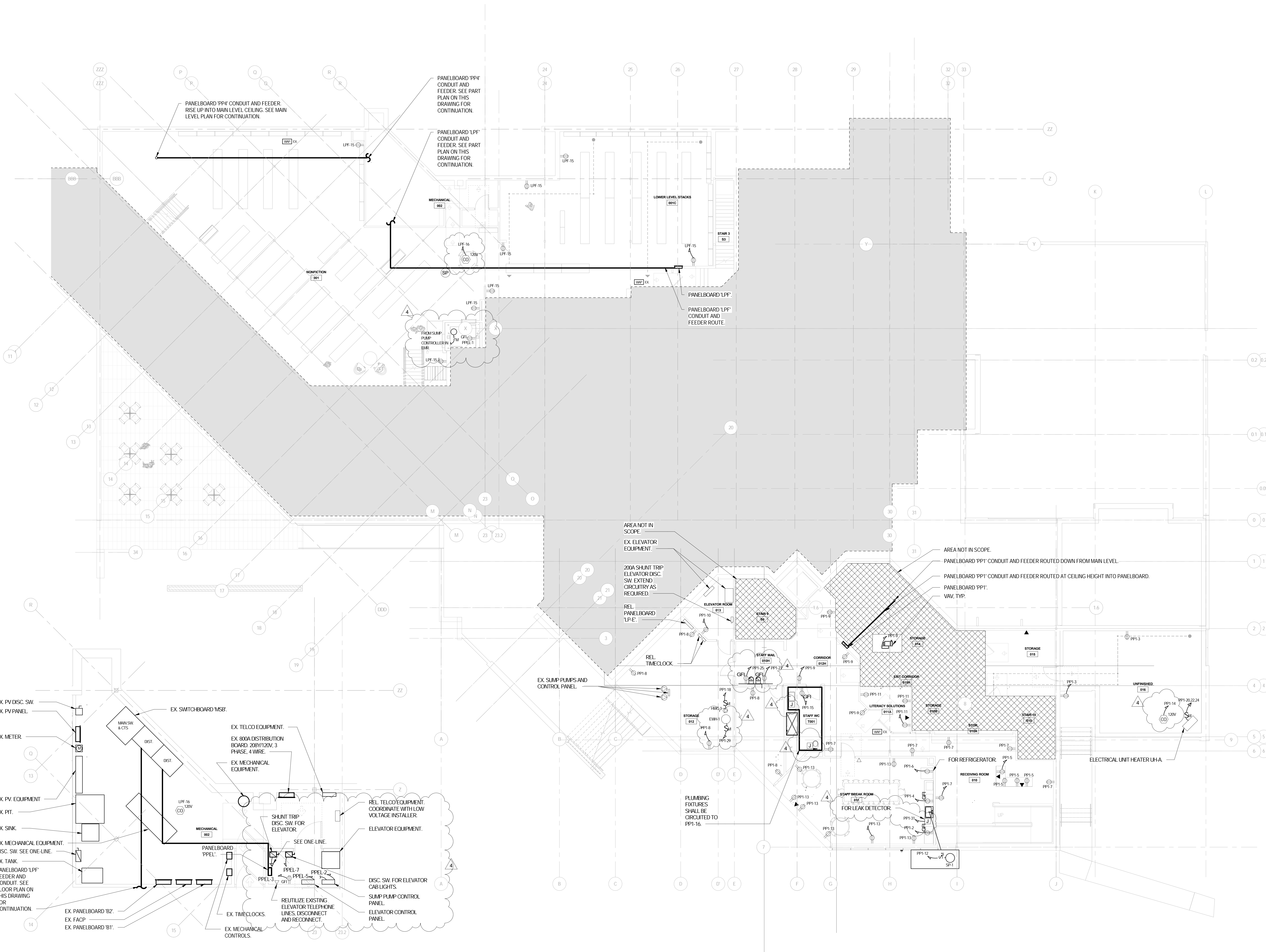
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ELECTRICAL LOWER
LEVEL NEW WORK PLAN

E-301

CONSTRUCTION DOCUMENTS
01.14.2022



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

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

Owner

New City Library Addition & Renovation

220 N Main St, New City, NY 10956

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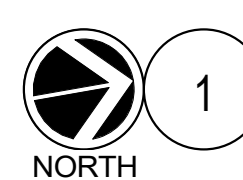
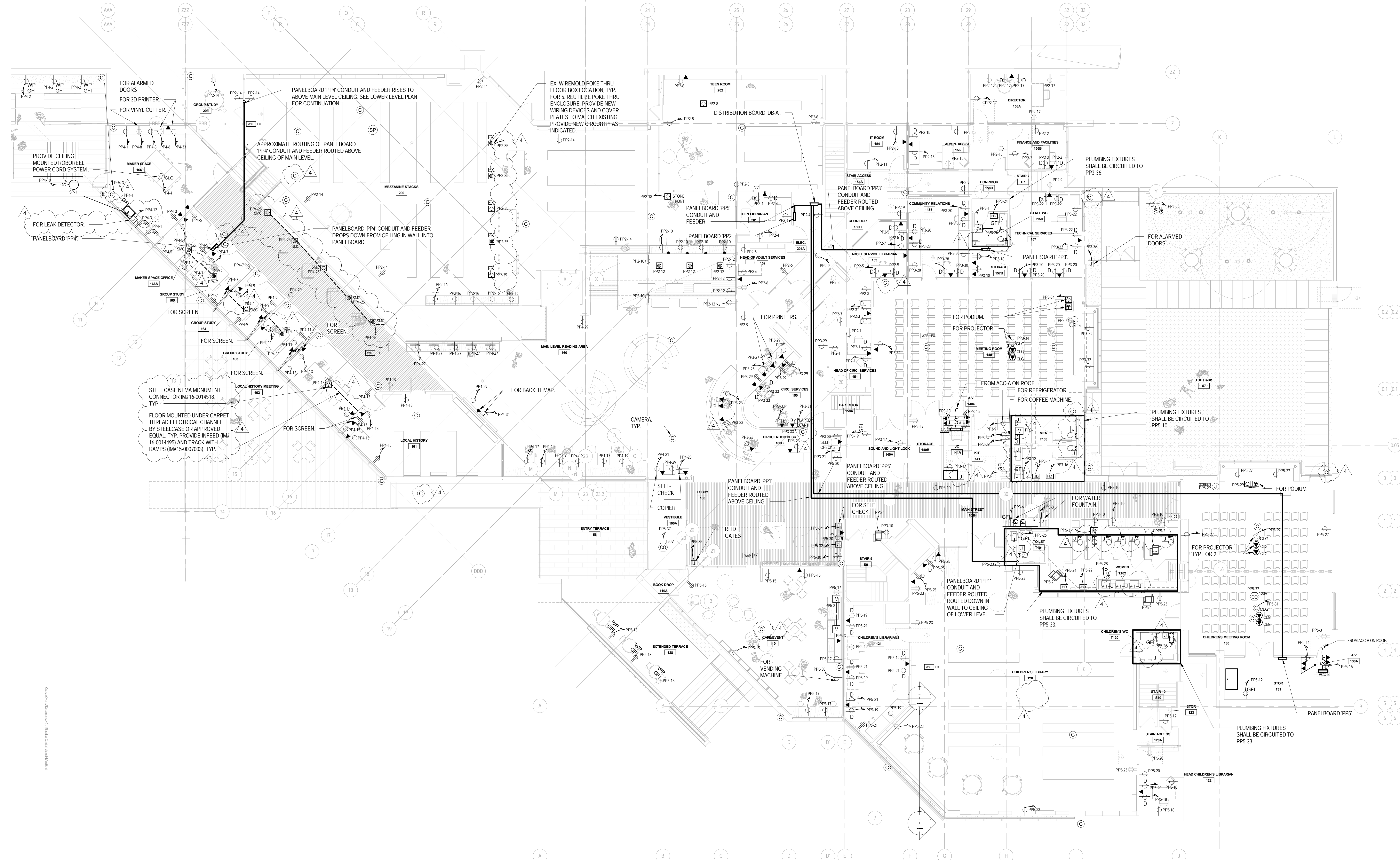
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ELECTRICAL MAIN LEVEL
NEW WORK PLAN

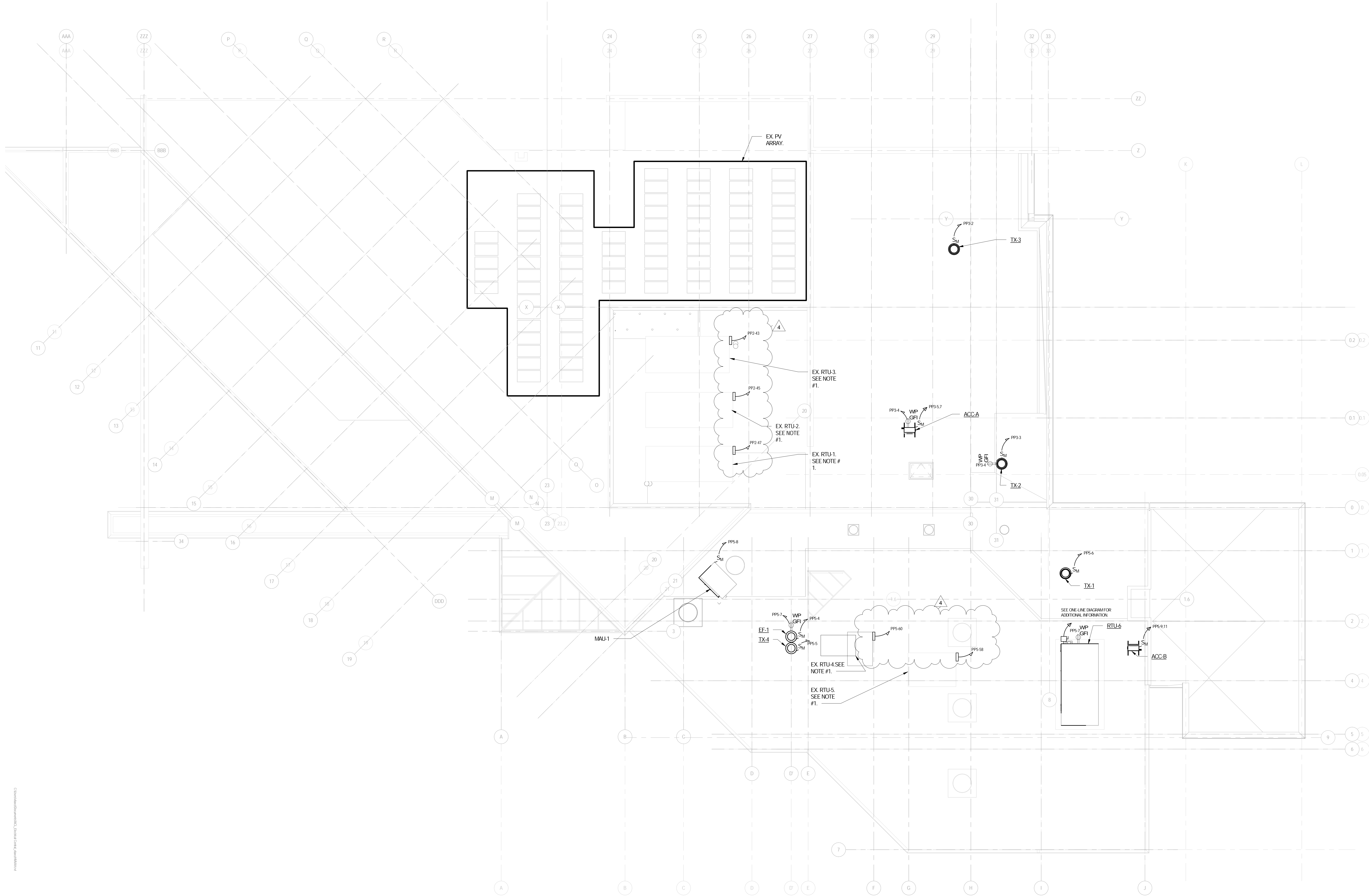
E-302

CONSTRUCTION DOCUMENTS
01.14.2022



1 ELECTRICAL MAIN LEVEL NEW WORK

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



Owner

New City Library Addition & Renovation

220 N Main St, New City, NY 10956

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Checked By

Drawn By

Checker

Author

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3	100% CONSTRUCTION DOCUMENTS	01.14.2022
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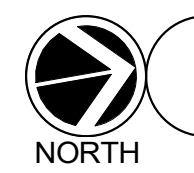
ELECTRICAL ROOF NEW
WORK PLAN

E-303

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" PER CIRCUIT.



1 ELECTRICAL MEZZANINE ROOF

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



220 N Main St, New City, NY 10956

Client Project Number
VMDO Project Number NVMD0001.00

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Drawn By	VB

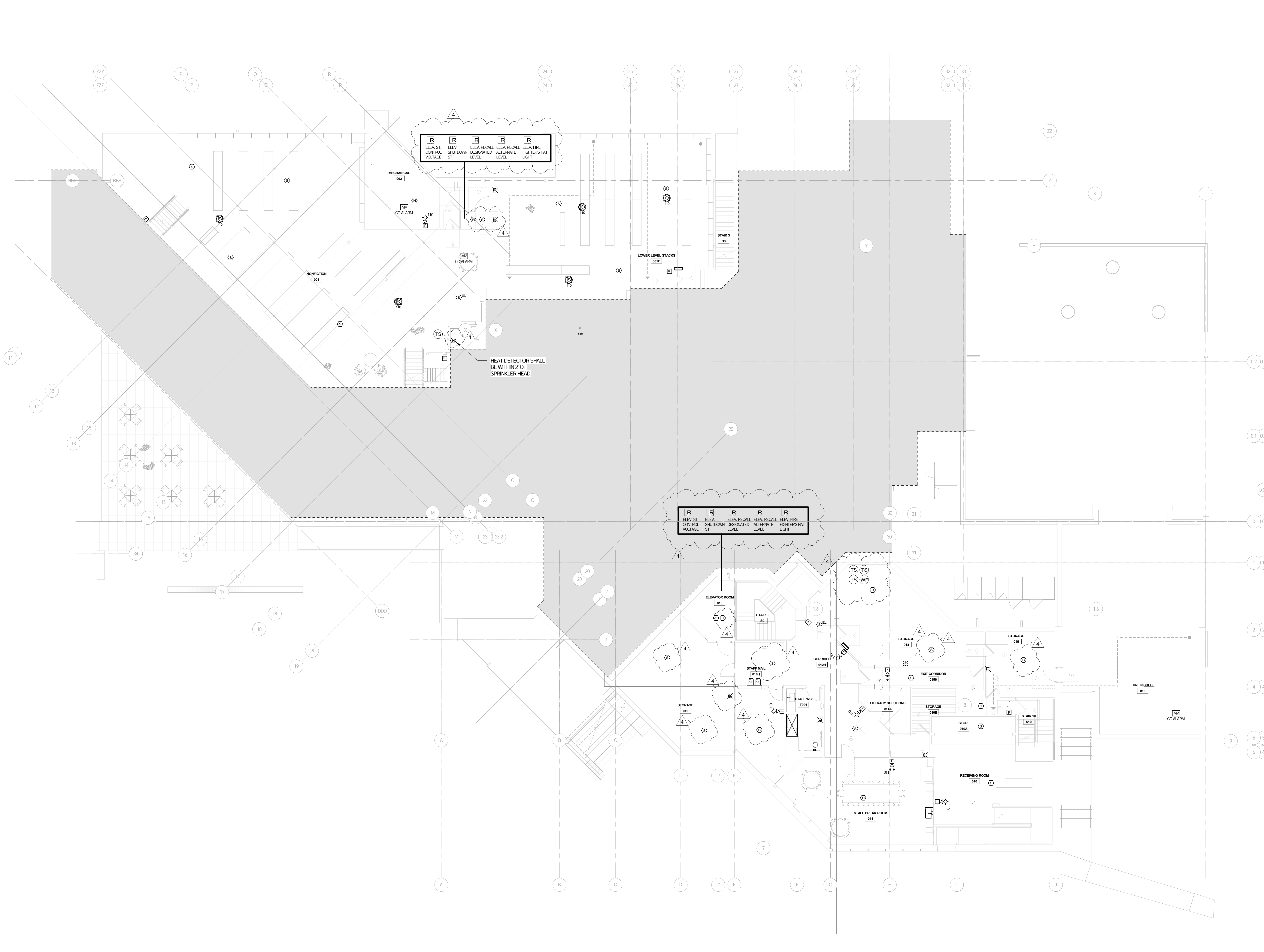
ISSUES AND REVISIONS		
NO.	SUBMITTAL	DATE
1	DESIGN DEVELOPMENT	07.09.2021
2	60% CONSTRUCTION DOCUMENTS	11.12.2021
3	100% CONSTRUCTION DOCUMENTS	01.14.2022
4	ADDENDUM 1	02.01.2022

FIRE ALARM LOWER
LEVEL NEW WORK PLAN

E-401

CONSTRUCTION DOCUMENTS

01.14.2022



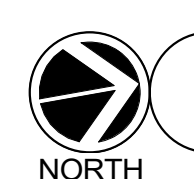
ISSUES AND REVISIONS		
NO.	SUBMITTAL	DATE
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FIRE ALARM MAIN LEVEL NEW WORK PLAN

E-402

CONSTRUCTION DOCUMENTS

01.14.2022



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



New City Library

New City Library Addition & Renovation

220 North Main Street
New City, NY 10956

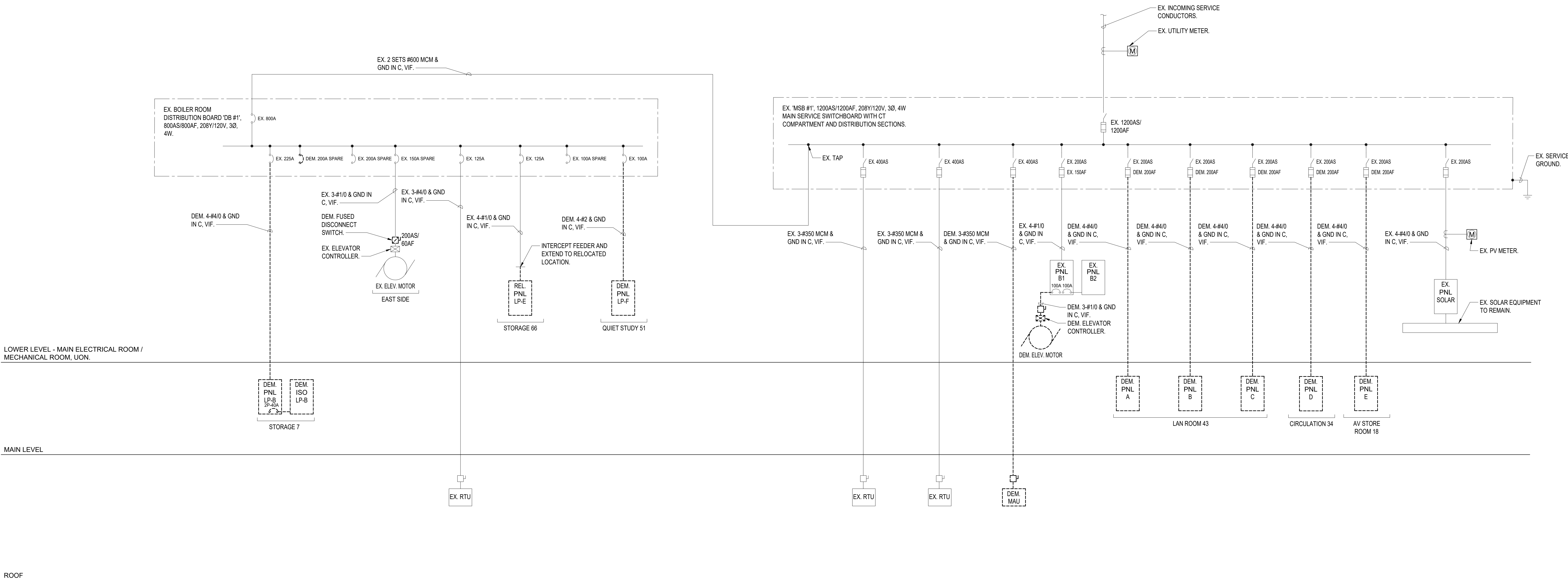


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VB



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
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ADDENDUM 1	02.01.2022	

ELECTRICAL DEMOLITION ONE-LINE DIAGRAM

E-501

CONSTRUCTION DOCUMENTS

01.14.2022



New City Library

New City Library Addition & Renovation

220 North Main Street
New City, NY 10956



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ISSUES AND REVISIONS

NO.	SUBMITTAL	DATE
DESIGN DEVELOPMENT	07.09.2021	
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ADDENDUM 1	02.01.2022	

ELECTRICAL NEW WORK ONE-LINE DIAGRAM

E-502

CONSTRUCTION DOCUMENTS

01.14.2022

WIRING/CONDUIT LEGEND:

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

LOWER LEVEL - MAIN ELECTRICAL ROOM /
MECHANICAL ROOM, UON.

MAIN LEVEL

ROOF

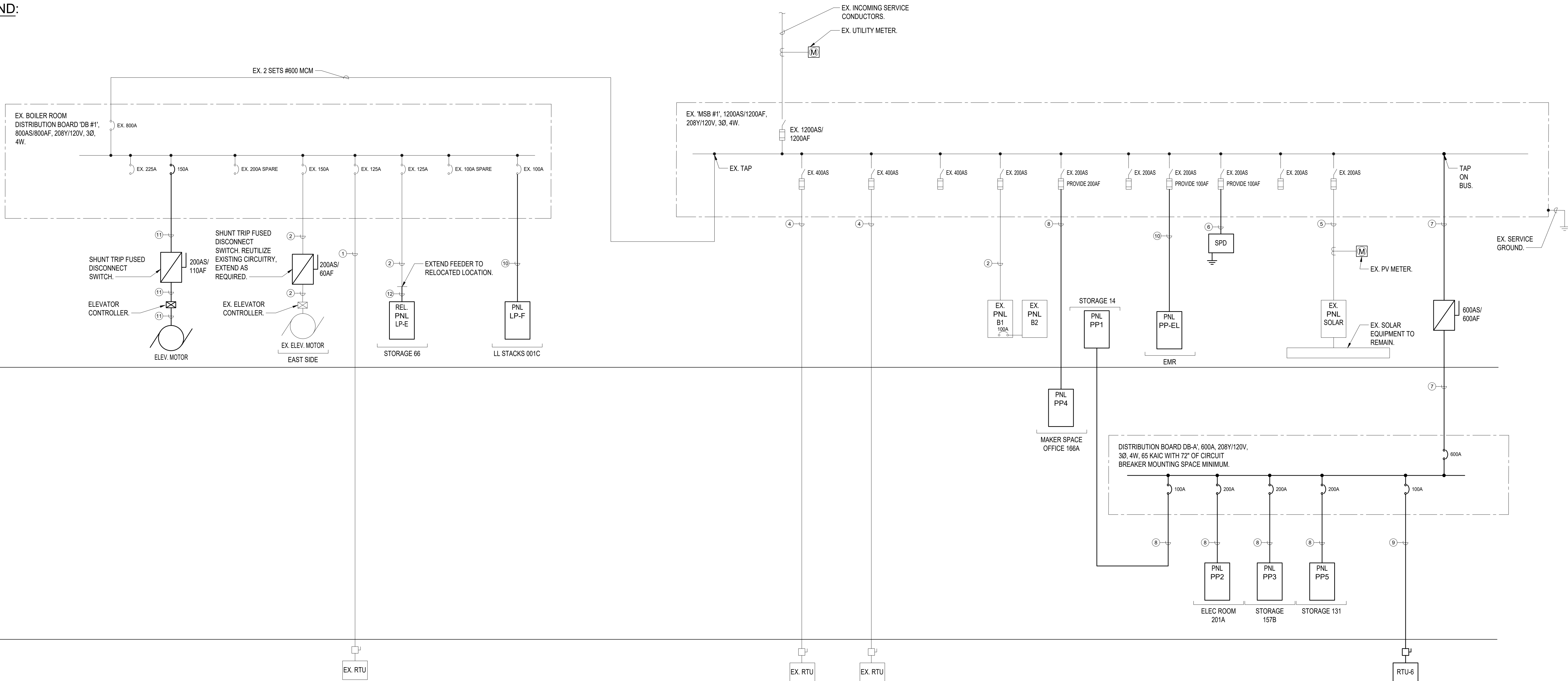
1

ELECTRICAL NEW WORK ONE-LINE DIAGRAM

SCALE: NONE

ONE-LINE NOTES:

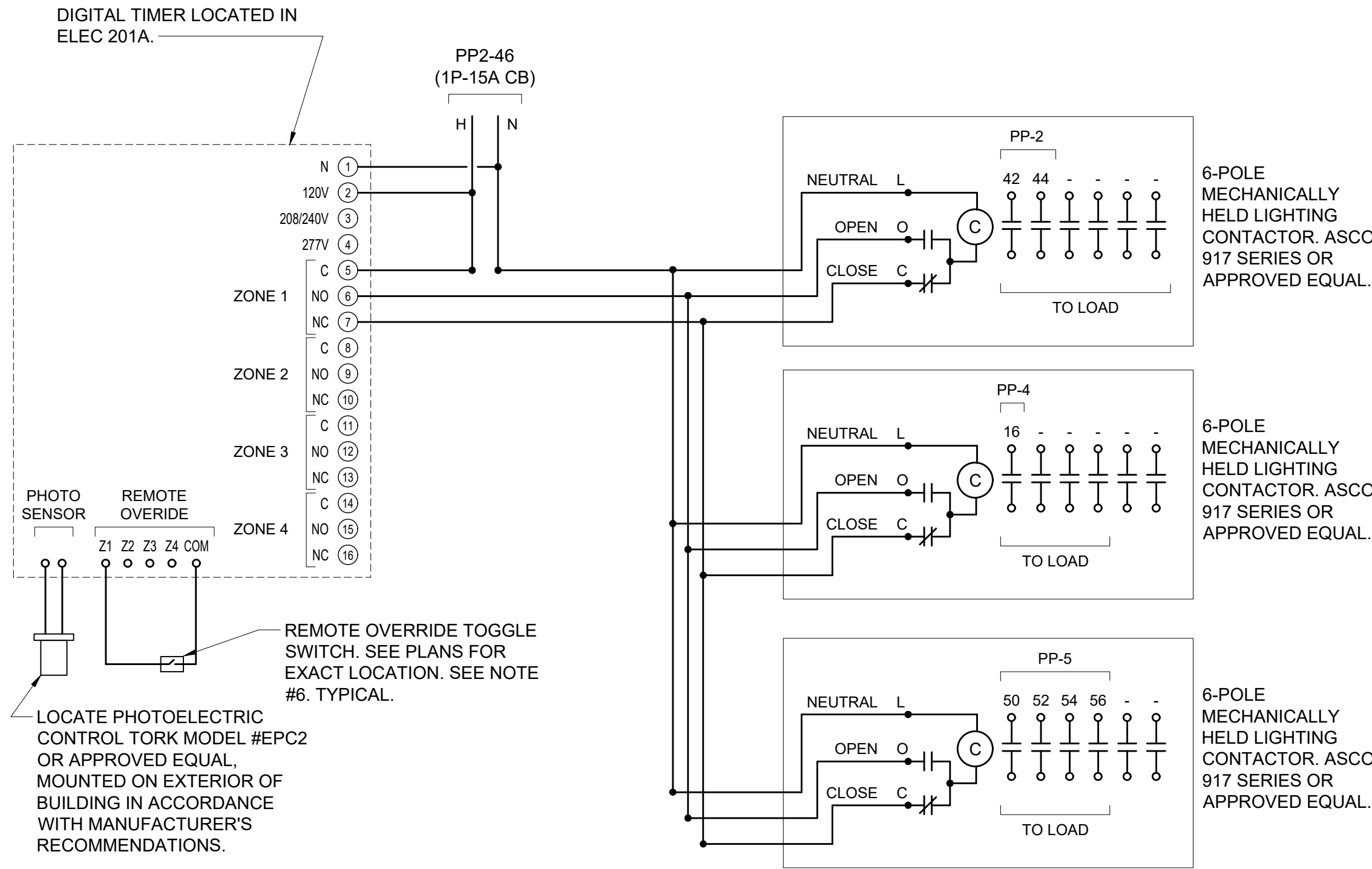
- ALL CIRCUIT BREAKERS ARE 3 POLE, U.O.N.
- CONTRACTOR SHALL PROVIDE A #3/0 BONDING JUMPER BETWEEN THE EXISTING BUILDING STEEL AND THE ADDITION BUILDING STEEL.



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	SUSPENDE	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	SUSPENDE	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-UNV-DP-B	90.64W LED	UNV	SUSPENDE	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	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	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	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-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	SUSPENDE	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	SUSPENDE	MJ CRICLE 4' DIAMETER LIGHT FIXTURE
D2.6	ARANCIA	P89-6-N-C-N-A-1-U-0-48-MG	48W LED	UNV	SUSPENDE	MJ CRICLE 6' DIAMETER LIGHT FIXTURE
D2.8	ARANCIA	P89-8-N-C-N-A-1-U-0-48-MG	64W LED	UNV	SUSPENDE	MJ CRICLE 8' DIAMETER LIGHT FIXTURE
D3	ANGELPOISE	Type 80 Pendant - Grey Mist	10W LED	UNV	SUSPENDE	TYPE 80 LIGHT FIXTURE
D4.1	KUZCO LIGHTING	49108	60W LED	UNV	SUSPENDE	HELENA 8" LIGHT FIXTURE
D4.2	KUZCO LIGHTING	49108	60W LED	UNV	SUSPENDE	HELENA 17" LIGHT FIXTURE
D5	BRUCK	REN-LE26-35K-90-PBK-YLW-ASH	100W LED	UNV	SUSPENDE	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 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/FT LED	UNV	SURFACE	TLT-FLAT LIGHT FIXTURE
F1	JUNIFER	Thin Shared Task Lamp	9.6W LED	UNV	SURFACE	36" THIN SHARED TASK LAMP
G1.4	UTOPIA	FSS44QL840-UNV-DIM-EMLLED	31W LED	UNV	SUSPENDE	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.



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 #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.

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.
- 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

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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

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

ELECTRICAL LIGHTING SCHEDULE

E-601

CONSTRUCTION DOCUMENTS

01.14.2022

PP1 PANEL SCHEDULE									
MAIN RATING: <u>100A</u>			MAIN C.B.: <u>100A</u>			KAIC RATING: <u>22KAIC</u>			
VOLTAGE: <u>208Y/120V</u>			PHASE: <u>3</u>		WIRE: <u>4</u>		MOUNTING: <u>SURFACE</u>		
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.		
1	—	—	—	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	PLUMBING FAN- RM 1001	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 FOUNTAIN	20	1	1	20	LIGHTING	26		
27	WATER FOUNTAIN	20	1	1	20	LIGHTING	28		
29	EWB-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 — GFF 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		WRE: 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	1	20#	EX. DOOR OPENER	40		
41	EX. VAV	20	1	1	20#	EX. DUCT HEATER	42		
43				1	20#	EX. EXHAUST FANS	44		
45	EX. VAV	20	1	1	20#	EX. VAV	46		
47				1	20#	EX. VAV	48		
49	EX. VAV	20	1	1	20	EX. VAV	50		
51				1	20	EX. VAV	52		
53	EX. VAV	20	1	1	20	EX. VAV	54		
55				1	20	EX. VAV	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 - GFF 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.									

PP2 PANEL SCHEDULE									
MAIN RATING: <u>200A</u>			MAIN C.B.: <u>200A</u>		KAIC RATING: <u>22KAIC</u>				
VOLTAGE: <u>208Y/120V</u>			PHASE: <u>3</u>		WIRE: <u>4</u>		MOUNTING: <u>SURFACE</u>		
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.		
1	REC — 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 — GFF 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.									

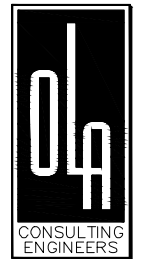
PP4 PANEL SCHEDULE									
MAIN RATING: 200A		MAIN C.B.: 200A		KAIC RATING: 22KAIC					
VOLTAGE: 208Y/120V		PHASE: 3		WIRE: 4		MOUNTING: RECESSED			
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.		
1	REC – RM 166	20	1	1	20	REC – OUTDOOR	2		
3	REC – 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 VINYL CUTTER	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 – GFT TYPE C.B.; AF – ARC FAULT TYPE C.B.; ST – SHUNT TRIP C.B.									
NOTES:									

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	CO ALARMS	20	1	1	20	PLUMBING FIXT. RM T150	36		
37	CO ALARMS	20	1	1	20	REC - RM T10	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	1	20	EX. LOAD	18		
19	LIGHTING	20	1	1	-	-	20		
21	LIGHTING	20	1	1	-	-	22		
23	LIGHTING	20	1	1	-	-	24		
25	LIGHTING	20	1	1	-	-	26		
27	-	-	-	1	-	-	28		
29	-	-	-	1	-	-	30		
31	-	-	-	1	-	-	32		
33	-	-	-	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:									
1. * - CONTRACTOR SHALL EXTEND PANELBOARD "LPF" EX. BRANCH CIRCUITRY AS REQUIRED FOR RELOCATED REPLACEMENT PANELBOARD, U.O.N.									

VMDO

VMDO Architects
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New York, NY 10018
646.849.4110

OLA Project Number: NVMD000100



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
	ADDENDUM 1	02.01.2022

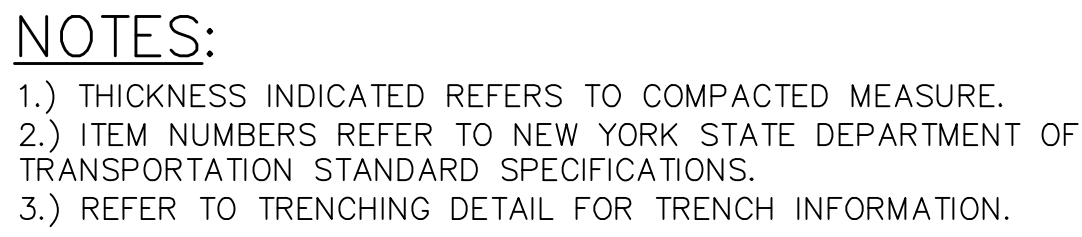


ELECTRICAL SCHEDULES
AND FIRE ALARM RISER
DIAGRAM

E-603

CONSTRUCTION DOCUMENTS

01.14.2022

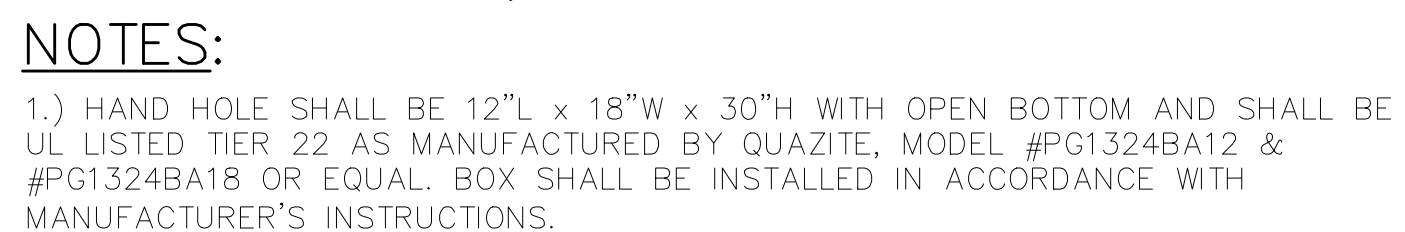


15) REPLAC
SCALE: NONE



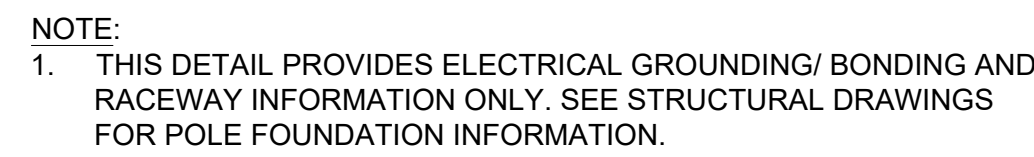
NOTES:

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.

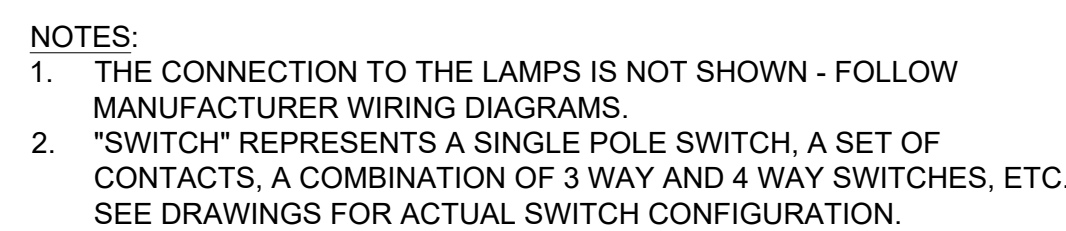


3.) COVER SHALL BE IMPRINTED WITH THE APPROPRIATE DESCRIPTION OF BOX CONTENTS (I.E. ELECTRIC, TELEPHONE, DATA, CABLE TV, ETC.).

13) HAND H
SCALE: NONE



12) INSTALL
SCALE: NONE



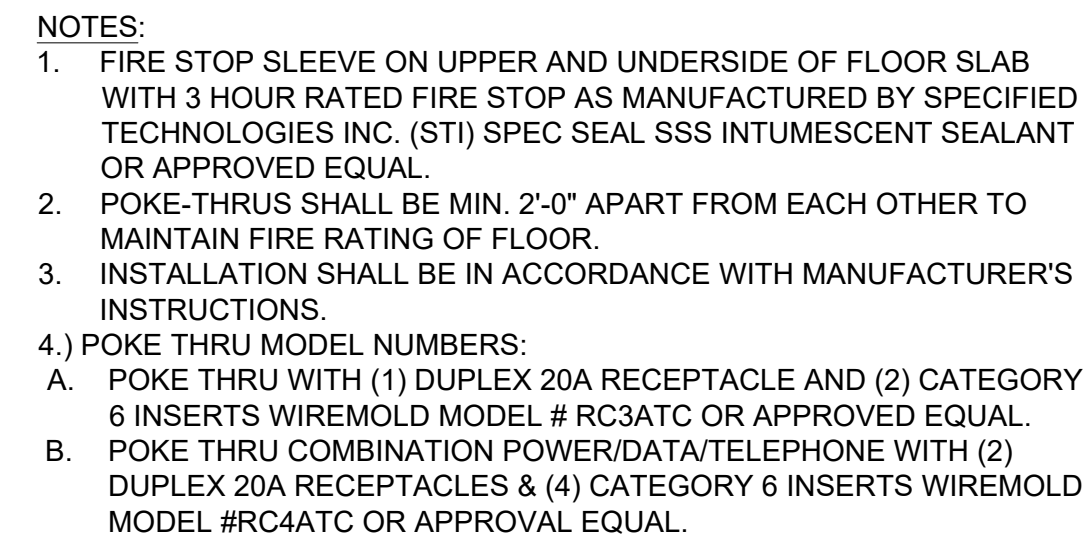
9 FIXTURE
SCALE: NONE



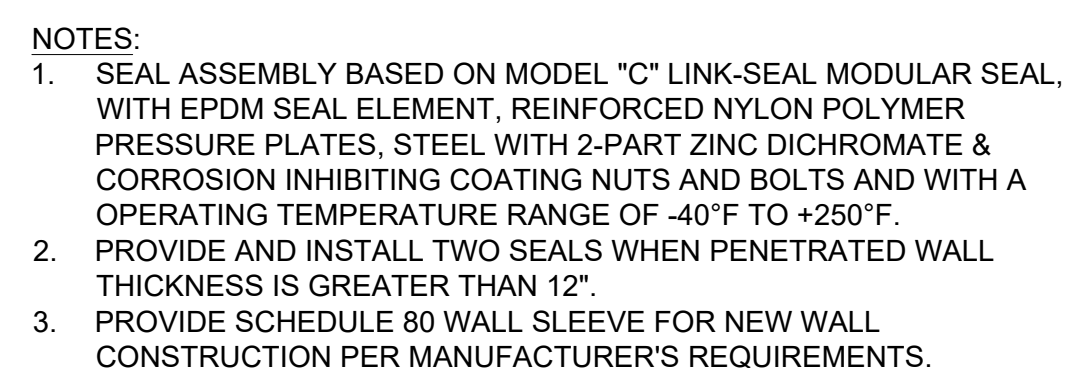
7 SCALE: NONE



5 ON MASS
SCALE: NONE



4 SCALE: NONE



1 GRADE
SCALE: NONE