

LIGHTING FIXTURE SCHEDULE								
TYPE	DESCRIPTION	LOCATION	MANUFACTURER & CATALOG #	LAMPS		INPUT		DIM BALLAST OR DRIVER
				NO.	TYPE	VOLTS	WATTAGE	
A1	SURFACE MOUNTED FIXTURE	THROUGHOUT	VELA-DIR-RD-SUR-1H-OP-35K-C86-UNV-05000L-DH-2FT	1	LED	120V	35W	-
A2	SURFACE MOUNTED FIXTURE	THROUGHOUT	VELA-DIR-RD-SUR-1H-OP-35K-C86-UNV-04000L-DH-2FT	1	LED	120V	35W	-
B1	LED RECESSED 2'x4' FIXTURE	THROUGHOUT	COLUMBIA LIGHTING Y6Y24	-	LED	120V	37W	0-10V
B2	LED RECESSED 2'x2' FIXTURE	THROUGHOUT	COLUMBIA LIGHTING Y6Y22	-	LED	120V	25W	0-10V
C1	LED RECESSED 2'x4' FIXTURE	THROUGHOUT	LUCEN LU24-A-83510-GI	-	LED	120V	32W	0-10V
C2	LED RECESSED 2'x2' FIXTURE	THROUGHOUT	LUCEN LU24-A-83510-GI	-	LED	120V	33W	0-10V
D1	STEP LIGHT SERIES	THATER	STL650-810C-LED-3.0K-8Y0KE(9LC)	-	LED	12VDC	0.45W	-
D2	STEP LIGHT SERIES	THATER	STL625-810C-LED-3.0K-8Y0KE(9LC)	-	LED	12VDC	0.45W	-
E	FLUSH MOUNT LED FIXTURE	STAIRWAY	MAJESTIC LIGHTING C1043	1	LED	120V	23W	-
F	4" LED DOWNLIGHT	VESTIBULE	FRESCOLITE LTR-4RD	1	LED	120V	12W	0-10V
G	WALL LIGHTS	VESTIBULE	DICH-DM W 2-071	1	LED	120V	12W	-
H	LED LINEAR FIXTURE	THROUGHOUT	COLUMBIA LIGHTING 11F6 MULTIPROPOSE LINEAR	1	LED	120V	30W	-
J	LED LENSED STRIPLIGHT	THROUGHOUT	COLUMBIA LCL8-35-VL-E-U-04K	1	LED	120V	50W	-
K	LED ROUND DOWNLIGHT	AUDITORIUM	FRESCOLITE LTR-4RD	1	LED	120V	35W	0-10V
L	DECOR FIXTURE	STAIRWAY	FC LIGHTING FCUB160-UNV-35K-CR185-25L-BA	1	LED	120V	20W	0-10V
M	EXTERIOR DECOR FIXTURE	EXTERIOR WALLS	FC LIGHTING FCUB110-UNV-35K-CR185-25L-BA	1	LED	120V	21W	0-10V
P	3" LED RECESSED DOWNLIGHT	ENTRANCE VESTIBULE	FRESCOLITE LTR-3RD	1	LED	120V	25W	0-10V
Q	4" LED SURFACE MOUNT FIXTURE	ELEVATOR	ELITE LED LIGHTING RL410	1	LED	120V	10W	-
R1	4" LED ROUND ADJUSTABLE FIXTURE	THEATRE	FRESCOLITE LTR-4RA	1	LED	120V	43W	0-10V
R2	4" LED ROUND ADJUSTABLE FIXTURE	THEATRE	FRESCOLITE LTR-4RD	1	LED	120V	43W	0-10V
S	LED ELEVATOR SHAFT FIXTURE	ELEVATOR	LED VAPORITE SERIES SEVER LOCATION	1	LED	120V	77W	-
T	8ITE LIGHTING EXTERIOR	EXTERIOR	REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS	-	-	120V	---	-
U1	8ITE LIGHTING EXTERIOR	EXTERIOR	REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS	-	-	120V	---	-
U2	8ITE LIGHTING EXTERIOR	EXTERIOR	REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS	-	-	120V	---	-
U3	8ITE LIGHTING EXTERIOR	EXTERIOR	REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS	-	-	120V	---	-
V	8ITE LIGHTING EXTERIOR	EXTERIOR	REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS	-	-	120V	---	-
W	8ITE LIGHTING EXTERIOR	EXTERIOR	REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS	-	-	120V	---	-
EM-A	LED LAMP FIXTURE	TBD	REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS	2	LED	120V	21W	-
EM-B	RECESSED LED LIGHT FIXTURE	TBD	REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS	2	LED	120V	21W	-
EXIT SIGN	EXIT SIGN	THROUGHOUT	REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS	1	LED	120V	25W	-

LIGHTING FIXTURE NOTES:

- ALL LIGHT FIXTURE MOUNTING HARDWARE SHALL MATCH AND BE COORDINATED WITH THE SELECTED CEILING SYSTEM AND CONSTRUCTION. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING REQUIREMENTS AND SPECIFICATION OF FIXTURES.
- PENDENT RODS, CABLES AND CHAINS SHALL BE PROVIDED FOR FIXTURES USED IN ROOMS WITHOUT CEILING.
- ALL LIGHTING FIXTURE TRIMS AND FINISHES SHALL BE APPROVED BY THE ARCHITECT PRIOR TO PURCHASE.
- REFER TO ARCHITECTURAL/INTERIOR DESIGNER PLANS FOR LIGHTING FIXTURE TYPES AND SPECIFICATIONS. THE ABOVE LIGHT FIXTURE DESCRIPTIONS ARE FOR CONTRACTOR INFORMATION AND REFERENCE ONLY.
- FIXTURES DESIGNATED AS "EM" EXCLUSIVE OF THEATRE AREAS SHALL BE PROVIDED WITH AN INTEGRAL EMERGENCY BATTERY PACK ENABLING FIXTURE TO CONNECT TO AN EMERGENCY SOURCE WHEN LOSS OF NORMAL POWER OCCURS. ON/OFF CONTROL SHALL NOT CAUSE FIXTURE PACKS TO ENERGIZE. PROVIDE UNSWITCHED PHASE LEG TO BATTERY PACK UNIT. EXIT AND EMERGENCY LIGHT FIXTURE TYPES AND LOCATIONS ARE SUBJECT TO BUILDING APPROVAL.
- LOWER CASE LETTERS NEXT TO A FIXTURE SHALL DENOTE SWITCH CONTROL AND THEREFORE BE CONNECTED TO THE SWITCH IN THE SAME ROOM WITH SAME LOWER CASE LETTER.
- CONTRACTOR TO COORDINATE WIRING REQUIREMENTS, MAXIMUM ALLOWABLE DISTANCE OF CONDUCTORS AND SIZES WITH MANUFACTURER/ARCHITECT. CONTRACTOR TO COORDINATE THE SIZES FOR ALL REMOTE TRANSFORMERS AND EXACT ACCESSIBLE LOCATIONS WITH ARCHITECT.
- ALL SWITCH TYPES AND SPECIFICATIONS TO BE SUBMITTED FOR ARCHITECT AND ENGINEER FOR REVIEW APPROVAL.
- ALL LIGHTING FIXTURES, EQUIPMENT, DEVICES, ETC. SHALL BE U.L. LISTED. ALL LIGHT FIXTURES, EQUIPMENT, WIRING METHODS, ETC. WITHIN A CEILING RETURN AIR PLENUM SHALL COMPLY WITH NEC SECTION 900.27, AND ANY ADDITIONAL BUILDING REQUIREMENTS. VERIFY IF ANY ADDITIONAL BUILDING REQUIREMENTS WITH THE ARCHITECT PRIOR TO BID.

ELECTRICAL SYMBOLS

WALL MOUNTED 125V, 2P-3W DUPLEX RECEPTACLE NEMA 5-20R MOUNTED 18" AFF UNLESS OTHERWISE NOTED.

WALL MOUNTED 125V, 2P-3W GROUND FAULT INTERRUPTER (GFI) DUPLEX RECEPTACLE OUTLET (44" AFF UNLESS OTHERWISE NOTED) COORDINATE LOCATIONS WITH ARCHITECT DRAWINGS.

TWO WALL MOUNTED 125V, 2P-3W DUPLEX RECEPTACLE OUTLETS MOUNTED 18" AFF UNLESS OTHERWISE NOTED.

RECESSED SINGLE-GANGED FLOOR MOUNTED DUPLEX OUTLET. PROVIDE 3/4" CONDUIT. COORDINATE FLANGE TYPE & COLOR WITH ARCHITECT. (DEVICES BY HUBBELL, LEVITON OR APPROVED EQUAL.)

WALL MOUNTED TELEPHONE / DATA (18" AFF UNLESS OTHERWISE NOTED) WITH 1" E.C. AND DRAGLINE. PROVIDE 4" SQUARE JUNCTION BOX WITH ONE GANG EXTENSION RING. COORDINATE JACKS SUPPLIED BY CLIENTS TELECOM VENDOR.

WALL MOUNTED DATA OUTLET WITH 1" E.C. AND DRAGLINE. PROVIDE 4" SQUARE JUNCTION BOX WITH ONE GANG EXTENSION RING. COORDINATE JACKS SUPPLIED BY CLIENTS TELECOM VENDOR.

WALL MOUNTED TELEPHONE OUTLET WITH 1" E.C. AND DRAGLINE. PROVIDE 4" SQUARE JUNCTION BOX WITH ONE GANG EXTENSION RING. COORDINATE JACKS SUPPLIED BY CLIENTS TELECOM VENDOR.

LIGHT SWITCH - CEILING MOUNTED VACANCY SENSOR

LIGHT SWITCH - THREE WAY - CEILING MOUNTED VACANCY SENSOR

LIGHT SWITCH - DIMMER - WALL MOUNTED.

LIGHT SWITCH - OCCUPANCY - WALL MOUNTED.

LIGHT SWITCH - MASTER SWITCH - WALL MOUNTED.

CEILING MOUNTED OCCUPANCY SENSOR

CEILING MOUNTED VACANCY SENSOR

FIRE SMOKE DAMPER

MOTORIZED DAMPER

CEILING MOUNTED CAMERA

WALL MOUNTED BELL

WALL MOUNTED SENSOR

TORK TIME CLOCK

HOMERUN WITH PANEL DESIGNATION. NUMERAL WHERE USED INDICATES CIRCUIT NUMBER. IT SHALL CONSIST OF 2-3/4" C, UNLESS NOTED.

CONCEALED WIRING (IN WALL OR CEILING)

CEILING MOUNTED JUNCTION BOX

WALL MOUNTED JUNCTION BOX

SLAB MOUNTED JUNCTION BOX

WIREWAY

TOGGLE-TYPE DISCONNECT SWITCH WITH FLEXIBLE EQUIPMENT CONNECTION.

JUNCTION BOX WITH 120V, 20A RECEPTACLE MOUNTED TO DECK

ELECTRICAL SYMBOL FOR MISCELLANEOUS CONNECTION:

P8-PROJECTION SHADE PJ-PROJECTION EQUIPMENT
M8-MOTORIZED SHADE EC SECURITY EQUIPMENT
FA-FIRE ALARM

ELECTRICAL SYMBOL FOR MECHANICAL EQUIPMENT CONNECTION.

AHJ-AIR HANDLING UNIT FVAV-FAN POWERED VAV BOX
AC-AIR CONDITIONING UNIT AC-AIR CONDITIONING UNIT
VAV-VARIABLE AIR VOLUME BOX UH-UNIT HEATER
EHC-ELECTRIC HEAT COIL EW-C-ELECTRIC WATER COOLER
MD-MOTORIZED DAMPER HWH-HOT WATER HEATER
ECH-ELECTRIC CABINET HEATER CP-CONDENSATE PUMP

UNUSED DISCONNECT SWITCH U.O.N.

FUSED DISCONNECT SWITCH U.O.N.

COMBINATION MOTOR STARTER/DISCONNECT SWITCH

EXISTING SURFACE MOUNTED PANELBOARD

EXISTING FLUSH MOUNTED PANELBOARD

RELOCATED SURFACE MOUNTED PANELBOARD

RELOCATED FLUSH MOUNTED PANELBOARD

SECURITY SYSTEM NOTES:

- SECURITY DEVICES AND WIRING SHALL BE BY SECURITY VENDOR.
- CONTRACTOR TO PROVIDE AND INSTALL JUNCTION BOXES AND EMPTY CONDUIT STUB-UPS WITH DRAGLINES INTO CEILING SPACE WITH BUSHED ENDS FOR CABLE PULLS.
- REFER TO CLIENTS SECURITY VENDORS FOR ADDITIONAL DETAILS.

ABBREVIATIONS

(NOT ALL ABBREVIATIONS ARE NECESSARILY USED ON THIS PROJECT)

A AMP/AMPERE LD LEAK DETECTOR
ACU AIR CONDITIONING UNIT LDP LEAK DETECTION PANEL
ADA AMERICANS WITH DISABILITIES ACT LTG LIGHTING
AFF ABOVE FURNISHED FLOOR MAX MAXIMUM
AHJ AUTHORITIES HAVING JURISDICTION MCB MAIN CIRCUIT BREAKER
AHU AIR HANDLING UNIT MD MOTORIZED DAMPER
AL ALUMINUM MECH MECHANICAL
AV AUDIO VISUAL MER MECHANICAL EQUIPMENT ROOM
AWG AMERICAN WIRE MLO MAIN LUG ONLY
C, CDT CONDUIT MS MOTORIZED SHADE
CB CIRCUIT BREAKER MTD MOUNTED
CCT CIRCUIT NEUTRAL
CP CONDENSATE PUMP N NEW TO REPLACE EXISTING
CU COPPER NF NON-FUSED
DISC DISCONNECT NIC NOT IN CONTRACT
DWS DRAWING NL NIGHT LIGHT
E EXISTING TO REMAIN NTS NOT TO SCALE
EC ELECTRICAL POLE
EXHAUST FAN CONTRACTOR P FULL BOX
EHC ELECTRIC HEAT COIL PH PHASE
ELEC ELECTRICAL RELOCATED R REMOVE EXISTING EQUIPMENT
EWH ELECTRIC HOT WATER HEATER RE RELOCATED EXISTING (NEW LOCATION)
(ER) EXISTING TO BE RELOCATED
FA FIRE ALARM RECEIPT RECEPTACLE
FBO FURNISHED BY OTHERS, INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR RGSC RIGID GALVANIZED STEEL CONDUIT
FCU FAN COIL UNIT RM ROOM
FT FEET SD SMOKE DETECTOR
G, GND GROUND SPEC SPECIFICATION
GFI GROUND FAULT INTERRUPTER SU SWITCH
HZ HERTZ SUBD SWITCHBOARD
IG ISOLATED GROUND UNF UNFUSED UNLESS OTHERWISE NOTED
IT INFORMATION V VOLT/VOLTAGE
JB JUNCTION BOX VA VOLT/AMPERE
KVA KILOVOLT/AMPERE VAV VARIABLE AIR VOLUME
KCMIL THOUSAND
LCP LIGHTING CONTROL PANEL W WIRE
UP WEATHERPROOF

LINE REPRESENTATION

NEW WIRING

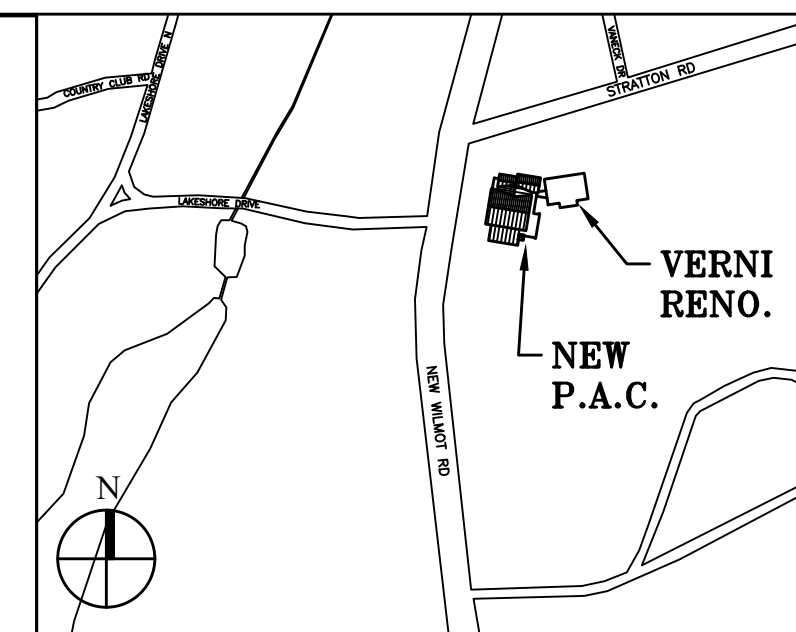
NEW WIRING ROUTED BELOW FLOOR (CORE DRILL AND STUB-UP)

EXISTING WIRING TO REMAIN

EXISTING WIRING BE REMOVED

GENERAL NOTES

- ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. SIZES AND LOCATION OF EQUIPMENT AND WIRING ARE SHOWN TO SCALE WHERE POSSIBLE, BUT MAY BE DISTORTED FOR CLARITY ON THE DRAWINGS. FINAL LOCATION OF OUTLETS AND EQUIPMENT SHALL BE AS APPROVED BY THE ARCHITECT. IT IS NOT WITHIN THE SCOPE OF THE DRAWINGS TO SHOW ALL NECESSARY BENDS, OFFSET, PULL BOXES AND OBSTRUCTIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSTALL HIS WORK TO CONFORM TO THE STRUCTURE, PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAN.
- REFER TO SPECIFICATIONS COVERING MECHANICAL, PLUMBING & FIRE PROTECTION WORK FOR POSSIBLE ADDITIONAL WORK TO BE PERFORMED UNDER THE ELECTRICAL CONTRACT.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THE FULL SET OF BID DOCUMENTS TO BE AWARE OF THE TOTAL SCOPE PRIOR TO SUBMITTING BID.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH MECHANICAL, PLUMBING AND OTHER TRADES FOR EXACT LOCATION OF ALL CONTROL DEVICES. LOCATION AS SHOWN ON THE ELECTRICAL PLANS ARE APPROXIMATE. ALL FINAL CONNECTIONS TO MOTOR TERMINALS SHALL BE DONE WITH A MINIMUM 18" OF LIQUID TIGHT FLEXIBLE CONDUIT USING THE APPROPRIATE FITTINGS. PROVIDE EXTERIOR GROUND WIRE UNRAPIED AROUND FLEXIBLE CONDUIT WHERE REQUIRED BY CODE.
- ALL NOTATIONS OF "SCALE" ARE INTENDED AS APPROXIMATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE TO ASCERTAIN THE EXACT LOCATIONS OF ALL EQUIPMENT AND VERIFYING REQUIRED CLEARANCES.
- THIS CONTRACTOR SHALL FURNISH & INSTALL ALL LABOR AND MATERIALS REQUIRED TO PRODUCE COMPLETE AND WORKING SYSTEMS. HE SHALL FURNISH AND INSTALL COMPLETE WIRING FOR LIGHTING, POWER, HVAC EQUIPMENT, ETC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD MEASUREMENTS AND VERIFICATION OF FIELD CONDITIONS PRIOR TO PERFORMING HIS WORK. ANY CHANGES IN WORK NECESSITATED BY FAILURE OF THIS CONTRACTOR TO COMPLY WITH THIS CONDITION SHALL BE UNDERTAKEN BY THIS CONTRACTOR AT HIS OWN EXPENSE.
- ALL AREAS ABOVE PANELBOARDS SHALL BE FREE FROM WORK OF OTHER TRADES.
- ALL WORKING CLEARANCES FOR PANELBOARDS AND OTHER ELECTRICAL EQUIPMENT SHALL COMPLY WITH THE NEC ELECTRIC CODE & ASSOCIATED TABLES.
- NUMERAL INDICATED ADJACENT TO LIGHT FIXTURES, RECEPTACLES, DEVICES AND EQUIPMENT INDICATES CIRCUIT NUMBER IN PANEL. PROVIDE WIRE AND CONDUIT TO INTERCONNECT THE AFOREMENTIONED, ASSOCIATED SWITCHES, AND CONTROL DEVICES WITH SAME CIRCUIT NUMBERS. ROUTE TO PANEL VIA CONDUIT HOMERUNS SHOWN.
- ELECTRICAL CONTRACTOR SHALL PROVIDE NEW AND UPDATED TYPEWRITTEN PANEL DIRECTORIES FOR EXISTING PANELS TO REMAIN, IN COMPLIANCE WITH NEC ARTICLE 408.4. THE IDENTIFICATION SHALL INCLUDE AN APPROVED METHOD OF DETAIL THAT ALLOW EACH CIRCUIT TO BE DISTINGUISHED FROM ALL OTHERS. CIRCUITS USED FOR THE SAME PURPOSE MUST BE IDENTIFIED BY THEIR LOCATION, UTILIZE ROOM NUMBERS, WORKSTATION NUMBERS, COLUMN GRID LINES, ETC. SUBMIT SCHEDULES TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
- PROVIDE TIE BARS ON ALL SINGLE POLE CIRCUIT BREAKERS SERVING MULTI-WIRE BRANCH CIRCUITS IN COMPLIANCE WITH NEC ARTICLE 210.4 (B). EXISTING CIRCUIT BREAKERS REQUIRING TIE HANDLES SHALL BE REPLACED WITH NEW TRIP FREE HANDLE BREAKERS. NEW BREAKERS SHALL MATCH EXISTING BUILDING STANDARDS, SHALL BE FROM SAME MANUFACTURER OF EXISTING BREAKERS THAT ARE TO REMAIN IN PANEL, AND SHALL BE COMPATIBLE WITH PANELBOARD. CONTRACTOR SHALL COORDINATE REQUIREMENTS IN FIELD WITH EXISTING EQUIPMENT.
- ARMORED CABLE SHALL NOT BE INSTALLED EXPOSED IN ELECTRIC CLOSETS, MECHANICAL ROOMS, TELEPHONE CLOSETS, ETC. EMT OR CONDUIT SHALL BE UTILIZED FROM ELECTRIC CLOSET TO FIRST RECEPTACLE OR LIGHT FIXTURES.
- THE CONTRACTOR SHALL DO NECESSARY CUTTING, CHOPPING & PATCHING FOR WORK UNDER THE CONTRACT. ALL CHOPPING, ETC. SHALL BE PERFORMED AFTER HOURS AND COORDINATED WITH BUILDING MANAGEMENT.
- THE ARCHITECT SHALL VERIFY MOUNTING HEIGHTS OF ALL DEVICES.
- FINISHES OF ALL RECEPTACLES, SWITCHES, TELEPHONE OUTLETS, ETC. TO BE SELECTED BY ARCHITECT.
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF ALL RECEPTACLES, TELEPHONE OUTLETS, FLOOR BOXES, ETC. CONSTRUCTION DOCUMENTS SHALL NOT BE SCALED.
- ALL RECEPTACLES AND SWITCHES IN OFFICES CLASSROOMS, ETC. SHALL BE "DECORA/DESIGNER" STYLE.
- COORDINATE LOCATION OF OUTLETS AND SWITCHES WITH THE FURNITURE AND EQUIPMENT LAYOUTS AND WITH FACILITIES REPRESENTATIVE.
- VERTICALLY ALIGN ALL LIGHT SWITCHES, STROBE DEVICES, THERMOSTATS IN ALL AREAS.
- ALL DEVICES GANGED TOGETHER SHALL BE MOUNTED UNDER A SINGLE COVER PLATE.
- ALL PANTRY RECEPTACLES SHALL BE GFI TYPE.
- PROVIDE UNUSED DISCONNECT SWITCHES FOR ALL MECHANICAL EQUIPMENT UNLESS OTHERWISE NOTED ON CONSTRUCTION DOCUMENTS OF HVAC SCHEDULES.
- THE MINIMUM RATING OF DISCONNECT SWITCHES SHALL BE EQUAL TO OR GREATER THAN THE RATING OF THE PROTECTIVE DEVICE ON THE SUPPLY SIDE OF THE DISCONNECT SWITCH. MINIMUM DISCONNECT SWITCH SIZE IS 30 AMPERES.
- WIRING IN ALL PLENUM HANG CEILING INSTALLED WITHOUT CONDUIT OR EMT SHALL BE TEFLON JACKETED OR LISTED FOR INSTALLATION IN A PLENUM.
- ALL CONTROL WIRING ASSOCIATED WITH MECHANICAL EQUIPMENT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- NO LOW VOLTAGE WIRING SHALL BE PERMITTED IN SAME RACEWAY AS POWER WIRING.
- FURNISH AND INSTALL WIRING FOR EQUIPMENT FURNISHED BY OTHERS AS SHOWN ON ARCHITECTURAL, MECHANICAL, PLUMBING, AND/OR ELECTRICAL DRAWINGS. COORDINATE WITH OTHER TRADES FOR DETAILS OF INSTALLATION AND WIRING REQUIREMENTS.
- PROVIDE FIRE-STOPPING ON ALL NEW AND EXISTING PENETRATIONS THROUGH THE WALL AND FLOOR DUE TO DEMOLITION OR NEW CONSTRUCTION. THE FIRE RATING OF THE PENETRATION SEALING METHOD SHALL MATCH THE RATING OF THE WALL OR FLOOR. USE A U.L. LISTED SEALING METHOD WHICH IS ACCEPTABLE TO FACILITIES MANAGEMENT. FIRE-STOP ID REQUIRED ABOVE ACCESSIBLE CEILING, FLOORS AND ATTIC SPACE ON ALL PROTECTED OPENINGS PER 2020 NYSBC SECTION 103.1.
- BRANCH CIRCUIT HOMERUN CONDUCTORS SHALL BE INCREASED ONE SIZE TO COMPENSATE FOR VOLTAGE DROP WHEN 120V CIRCUITING EXCEEDS 200 FEET.
- UPON COMPLETION OF ALL ELECTRICAL WORK, THE ELECTRICAL CONTRACTOR SHALL ADJUST AND TEST ALL CIRCUITS, RECEPTACLES, SWITCHES, LIGHTS, MOTORS AND ANY OTHER ELECTRICAL ITEMS INSTALLED. ANY DEFECTIVE ITEMS SHALL BE IMMEDIATELY REPAIRED OR REPLACED WITH NEW AND THAT PORTION OF THE SYSTEM RETESTED. ALL SUCH REMEDIAL WORK SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
- COORDINATE WITH BUILDING MANAGER FOR ANY SERVICE INTERRUPTION OF EXISTING LIGHTING AND POWER PANELS AND GIVE NOTICE FIVE DAYS PRIOR TO ANY WORK.
- FOR EXISTING VERNI BUILDING DEVICES (LIGHTING, RECEPTACLES, ETC.) SHALL REMAIN ACTIVE IF DEVICES HAVE BEEN DISCONNECTED BY DEMOLITION. DEVICES SHALL BE RECONNECTED AND RE-ENERGIZED UTILIZING SPARE CIRCUIT BREAKERS. ALL DEVICES VISUAL SHALL BE REMOVED AND REPLACED WITH NEW DEVICES MATCHING PROJECT STANDARDS.
- CONTRACTOR SHALL LABEL CONDUIT PASSING THROUGH RATED WALLS SIMILAR TO LABELTAC (LABELTAC.COM)



Key Plan (not to scale)

No.	Date	Revision/Submision
7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE

STRUCTURAL & SITE CIVIL ENGINEER
DOMINICK R PILLA
ASSOCIATES, P.C.
143 MAIN STREET
NYACK, NY 10960
945-727-7793

MEP ENGINEER
JMV CONSULTING
ENGINEERING, P.C.
37 W. 58 STREET, STE 703
NEW YORK, NY 10019
212-652-9855

ROOFING CONSULTANT
WATSKY ASSOCIATES
20 MADISON AVENUE
VALHALLA, NY 10595
914-945-3450

Stamp

Project Title
**IONA PREPARATORY SCHOOL
ADDITION AND ALTERATION TO THE
PAUL VERNI FINE ARTS CENTER**

Project Address
**IONA PREPARATORY SCHOOL
255 Wilnot Road
New Rochelle, NY 10804**

Drawing Title
**ELECTRICAL SYMBOLS AND
GENERAL NOTES**

Scale	Job No.	Date	Drawing No.
NTS	1618	04/03/2019	E-101

Drawn
PETER GISOLFI ASSOCIATES

Peter Gisolfi Associates
Architects Landscape Architects, LLP
588 Warburton Avenue
Hastings on Hudson, NY 10706
914 478 3677

ELECTRICAL SPECIFICATION

PART 1 GENERAL

1.01 GENERAL REQUIREMENTS:

- A. ALL WORK SHALL COMPLY WITH REQUIREMENTS OF THE NATIONAL ELECTRIC CODE, NEW YORK STATE ELECTRIC CODE, BUILDING MANAGEMENT AND ALL AUTHORITIES HAVING JURISDICTION (AHJ). APPLICABLE NATIONAL, STATE AND LOCAL CODES, REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK SHALL BE INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS.
- B. IF A CONFLICT OCCURS IN THE SPECIFICATIONS AND/OR ON THE DRAWINGS THE MORE STRINGENT SITUATION SHALL APPLY.
- C. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF THIS WORK. FINAL ACCEPTANCE SHALL BE DEFINED AS THE TIME AT WHICH THE ELECTRICAL WORK IS TAKEN OVER & ACCEPTED BY THE OWNER. ENGAGE THE SERVICES OF VARIOUS MANUFACTURERS SUPPLYING THE EQUIPMENT FOR THE PROPER STARTUP, OPERATION AND TRAINING OF ALL SYSTEMS INSTALLED. INSTRUCT THE OWNERS PERSONNEL IN THE PROPER OPERATION AND SERVICING OF THE EQUIPMENT.
- D. ELECTRICAL CONTRACTOR SHALL VISIT AND EXAMINE CAREFULLY THE EXISTING AREAS AFFECTED BY THIS WORK TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND WITH DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THE WORK. CONTRACTOR SHALL PERFORM THIS, PRIOR TO SUBMITTING HIS PROPOSAL. SUBMISSION OF A PROPOSAL WILL BE CONSIDERED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE & LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN UNDERTAKEN.
- E. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF WORK REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL DEVICES INCLUDING DIMENSIONS AND ELEVATIONS. WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS.
- F. ALTHOUGH NOT SPECIFICALLY MENTIONED HEREIN OR SHOWN ON THE DRAWINGS, ANY EQUIPMENT, MATERIALS, ACCESSORIES, OR LABOR REQUIRED FOR PROPER AND COMPLETE INSTALLATION OF THIS ELECTRICAL WORK SHALL BE FURNISHED AND INSTALLED AS PART OF THE ORIGINAL BID.
- G. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE LATEST COPY OF THE BUILDING RULES AND REGULATIONS TO DETERMINE THE EXTENT OF PREMIUM TIME WORK REQUIRED, BUILDING SYSTEM INTERRUPTIONS ARE TO BE PERFORMED OUTSIDE OF NORMAL BUSINESS HOURS. COORDINATE WITH FACILITIES MANAGEMENT FOR ANY SERVICE INTERRUPTION OF EXISTING SYSTEMS AND GIVE NOTICE AS REQUIRED BY BUILDING RULES AND REGULATIONS.
- H. ANY DAMAGE TO EXISTING PARTITIONS, FLOORS, CEILINGS OR ANY PART OF THE BUILDING OR EQUIPMENT HOUSED THEREIN CAUSED BY THE WORK OF THE CONTRACTOR SHALL BE REPAIRED AT NO ADDITIONAL EXPENSE TO THE OWNER.
- I. ALL NEW MATERIALS REQUIRED SHALL CONFORM WITH THE STANDARDS OF THE UNDERWRITERS LABORATORIES, INC. (UL) IN EVERY CASE WHERE SUCH A STANDARD EXISTS.
- J. DURING THE PROJECT DURATION, THE BUILDING MANAGEMENT AND ITS DESIGNATED REPRESENTATIVE SHALL BE ABLE TO INSPECT THE WORK IN PROGRESS, ANY WORK WHICH THE BUILDING MANAGEMENT DEEMS UNACCEPTABLE SHALL BE REMOVED AND REPLACED AT THE EXPENSE OF CONTRACTOR/TENANT.
- K. ALL EQUIPMENT INSTALLED OR CONNECTED INTO THE BUILDING RISERS, SYSTEMS AND INFRASTRUCTURE SHALL BE APPROVED IN ADVANCE BY THE BUILDING PRIOR TO INSTALLATION.

1.02 SCOPE OF WORK:

- A. PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR COMPLETE, SAFE INSTALLATION OF ALL ELECTRICAL WORK. THE SCOPE OF WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
 1. INSTALLATION AND COORDINATION OF NEW ELECTRICAL SERVICE.
 2. EXTENDING THE NEW SERVICE TO PARENTS HALL AND RECONFIGURING THE EXISTING PARENTS HALL TO BE FED FROM THE NEW POWER SERVICE.
 3. INSTALLATION OF LIGHTING FIXTURES AND LAMPS INCLUDING EXIT AND EMERGENCY LIGHTING.
 4. INSTALLATION OF WALL SWITCHES, RECEPTACLES, VOICE/DATA, OUTLETS, ETC.
 5. INSTALLATION OF NEW RACEWAY AND CONDUCTORS FOR LIGHTING AND POWER.
 6. ADDITION OR MODIFICATION OF EXISTING ELECTRICAL DISTRIBUTION EQUIPMENT.
 7. INSTALLATION OF MECHANICAL EQUIPMENT FEEDERS AND FINAL CONNECTIONS TO MECHANICAL EQUIPMENT.
 8. GROUNDING OF ALL EQUIPMENT AS REQUIRED BY CODE AND AS SPECIFIED.
 9. MODIFICATION OF NEW/EXISTING FIRE ALARM SYSTEMS.
 10. TEMPORARY LIGHTING AND POWER DURING CONSTRUCTION.
 11. CUTTING, CHANNELING, CORING, AND CHASING REQUIRED TO ACCOMMODATE ELECTRIC INSTALLATION AND ROUGH PATCHING.
 12. DEMOLITION & REMOVAL OF ELECTRIC EQUIPMENT AS REQUIRED INCLUDING ALL CONDUCTORS & CONDUIT BACK TO THEIR SOURCE.
 13. MAINTENANCE & PROPER OPERATION OF EXISTING BUILDING SYSTEMS WITHIN THE CONTRACT AREA IN ACCORDANCE WITH THE REQUIREMENTS OF BUILDING MANAGEMENT.
 14. PROVISION OF SECURITY SYSTEM INFRASTRUCTURE AS DETAILED.
 15. PROVISION OF AUDIO/VISUAL SYSTEM INFRASTRUCTURE AS DETAILED.
 16. RECEIPT AND INSTALLATION OF DEVICES, EQUIPMENT, SYSTEMS, SUPPLIED BY OTHERS AS DETAILED.
 17. COORDINATION WITH OTHER TRADES.

1.03 SUBSTITUTIONS:

- A. NO SUBSTITUTE MATERIAL OR MANUFACTURER OF EQUIPMENT SHALL BE PERMITTED WITHOUT FORMAL WRITTEN SUBMITTAL TO THE ENGINEER WHICH INCLUDES ALL DIMENSIONAL, PERFORMANCE AND MATERIAL SPECIFICATIONS, ANY CHANGES IN LAYOUT, MECHANICAL CHARACTERISTICS, STRUCTURAL REQUIREMENTS, OR DESIGN DUE TO THE USE OF A SUBSTITUTION SHALL BE SUBMITTED TO THE ENGINEER AS PART OF THIS PROPOSAL. THE CONTRACTOR TAKES FULL RESPONSIBILITY FOR THE SUBSTITUTION AND ALL CHANGES RESULTING FROM SUBSTITUTION. ALL ITEMS SHALL BE SUBMITTED FOR REVIEW IN CONJUNCTION WITH THE SUBMITTAL OF THE ALTERNATE. ANY SUBSTITUTION MUST BE SUBMITTED WITH AN EXPLANATION WHY SUBSTITUTION IS BEING UTILIZED. IF THE SUBSTITUTED ITEM DEVIATES FROM THE SPECIFIED ITEM, THOSE DEVIATIONS ARE TO BE IDENTIFIED ON A LINE BY LINE BASIS. IF THE SUBSTITUTION IS BEING UTILIZED FOR FINANCIAL REASONS, THE ASSOCIATED CREDIT MUST BE SIMULTANEOUSLY SUBMITTED.
- B. ALL SUBSTITUTED EQUIPMENT SHALL CONFORM TO SPACE REQUIREMENTS AND PERFORMANCE REQUIREMENTS SHOWN ON CONTRACT DOCUMENTS.
- C. CONTRACTOR SHALL SUBMIT BID BASED ON SPECIFIED ITEMS AND SHALL SUPPLY AS AN ALTERNATE PRICE ANY SUBSTITUTIONS.
- D. ALL EQUIPMENT SHALL BE APPROVED FOR USE IN THE STATE OF NEW YORK.

1.04 SHOP DRAWINGS:

- A. SHOP DRAWINGS SUBMISSION SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 1. DISTRIBUTION EQUIPMENT (PANELS, SWITCHES, ETC.)
 2. OVERCURRENT PROTECTIVE DEVICES (FUSES AND BREAKERS)
 3. LIGHTING FIXTURES.
 4. WIRING DEVICES.
 5. FIRE ALARM EQUIPMENT, WIRING SCHEMATIC AND SEQUENCE OF OPERATION.
 6. COORDINATION DRAWINGS OF SWITCHBOARD ROOM ELECTRIC CLOSET LAYOUTS INCLUDING ELEVATIONS & MOUNTING DETAILS OF SWITCHBOARDS, PANELBOARDS, METERS, DISCONNECT SWITCHES, ETC.
 7. FLOOR BOXES/ ROKE THRU DEVICES.
 8. GROUNDING EQUIPMENT/DEVICES.
 9. CONDUIT, RACEWAYS, WIREWAYS
 10. WIRING
 11. LIGHTING CONTROL SYSTEMS
 12. TRANSFORMERS.
 13. SWITCHGEAR.
- B. PROVIDE A MINIMUM OF THREE (3) COPIES OF 8-1/2"x 11" SUBMISSIONS AND TWO (2) SETS OF ALL DRAWINGS.
- C. CHANGES MADE TO SHOP DRAWINGS BY THE CONSULTANT WILL NOT AFFECT THE CONTRACT PRICE.

1.05 AS-BUILT DRAWINGS:

- A. CONTRACTOR SHALL MAINTAIN RECORD DRAWING PRINTS ON JOB SITE AND RECORD, AT TIME OF OCCURRENCE, DEVIATIONS FROM CONTRACT DOCUMENTS.
- B. AT THE COMPLETION OF WORK & BEFORE FINAL ACCEPTANCE, PROVIDE AS-BUILT DRAWINGS OF THE INSTALLATION. IN AUTO-CAD 2018 OR NEUER AN ELECTRONIC COPY (AUTOCAD FORMAT) OF ALL DRAWINGS WILL BE PROVIDED TO THE ELECTRICAL CONTRACTOR BY THE CONSULTANT AT NO COST. THE DRAWINGS WILL REFLECT THE BID AND/OR CONSTRUCTION SET OF DRAWINGS. SHOULD THE CONTRACTOR REQUIRE ADDITIONAL ELECTRONIC COPIES DURING CONSTRUCTION, A COST OF \$250.00 PER DRAWING WILL BE CHARGED BY THE CONSULTANT.
- C. INCORPORATE ALL CHANGES AND DEVIATIONS FROM BID DRAWINGS, UTILIZING NORMAL RECOGNIZED DRAFTING PROCEDURES THAT MATCH THE ORIGINAL DRAFTING METHODOLOGY.
- D. ALL MAIN BRANCH CONDUIT RUNS, JUNCTION BOX LOCATIONS, CONDUIT RUNS FOR ALL FLOOR OUTLETS, ETC., MUST BE REFLECTED ON THE DRAWINGS.
- E. CLEARLY INDICATE THE WORDS "AS-BUILT" IN THE TITLE BLOCK COLUMN OF THE DRAWINGS AS WELL AS THE ELECTRICAL CONTRACTOR'S CONTRACTOR'S NAME AND ADDRESS.
- F. SUBMIT A SINGLE (1) PRINT TO CONSULTANT FOR REVIEW. WHEN FOUND ACCEPTABLE BY THE CONSULTANT, SUBMIT THREE (3) SETS OF PRINTS TOGETHER WITH THE CAD DISK FOR PRESENTATION TO THE FACILITIES MANAGEMENT.

1.06 MATERIALS AND EQUIPMENT:

- A. ALL MATERIALS AND EQUIPMENT SHALL BE NEW, C.S.A. CERTIFIED AND MANUFACTURED TO THE STANDARDS SPECIFIED.
- B. WHERE THERE IS NO ALTERNATIVE TO SUPPLYING EQUIPMENT WHICH IS NOT C.S.A. CERTIFIED, OBTAIN SPECIAL APPROVAL FROM THE LOCAL ELECTRICAL SAFETY AUTHORITY.

1.07 CONTRACT DOCUMENTS:

- A. THE DRAWINGS FOR THE ELECTRICAL WORK ARE DIAGRAMMATIC PERFORMANCE DRAWINGS ONLY, INTENDED TO CONVEY THE SCOPE OF WORK AND INDICATE THE GENERAL ARRANGEMENT AND APPROXIMATE SIZE AND LOCATION OF ELECTRICAL EQUIPMENT. THE DRAWINGS DO NOT INTEND TO SHOW ARCHITECTURAL, INTERIOR DESIGN, MECHANICAL, STRUCTURAL OR BUILDING DETAILS. BE RESPONSIBLE FOR A THOROUGH KNOWLEDGE OF SAME BEFORE PROCEEDING WITH THE WORK.
- B. DO NOT SCALE OR MEASURE DRAWINGS, BUT OBTAIN INFORMATION REGARDING ACCURATE DIMENSIONS FROM THE DIMENSIONS SHOWN ON THE DESIGN ARCHITECT'S DRAWINGS, OR BY SITE MEASUREMENTS.
- C. ANY DISCREPANCIES BETWEEN DRAWINGS AND/OR SPECIFICATIONS AND EXISTING CONDITIONS, MUST BE REFERRED TO THE DESIGN ARCHITECT BEFORE ANY WORK AFFECTED IS BEGUN.
- D. COOPERATE AND COORDINATE WITH OTHER CONTRACTORS IN LAYING OUT OF WORK SO AS NOT TO CONFLICT WITH THE WORK OF OTHER CONTRACTORS. CARRY OUT WORK PROMPTLY AS PER CONSTRUCTION SCHEDULE AND COORDINATE WITH WORK OF OTHER CONTRACTORS.
- E. MAKE, AT NO ADDITIONAL COST, ANY CHANGES OR ADDITIONS TO MATERIALS AND EQUIPMENT NECESSARY TO ACCOMMODATE STRUCTURAL CONDITIONS (OFFSETS AROUND BEAMS, COLUMN, ETC.)

1.08 INTENT:

- A. ANY MISCELLANEOUS ITEMS, HARDWARE, DEVICES, WIRING, ETC., NOT SPECIFICALLY DESCRIBED, BUT REQUIRED FOR THE OPERATION OF THE SYSTEM, MUST BE PROVIDED AND INCLUDED AS PART OF THE BID.

1.09 LOCATIONS OF OUTLETS:

- A. REFER TO DESIGN ARCHITECT'S DRAWINGS FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES AND WIRING DEVICES.
- B. CHANGE LOCATION OF OUTLETS AT NO COST OR CREDIT, PROVIDING DISTANCE DOES NOT EXCEED (10'-0") AND INFORMATION IS GIVEN PRIOR TO INSTALLATION.
- C. ALL OUTLETS TO BE MARKED ON JOB SITE FOR APPROVAL BY DESIGN ARCHITECT PRIOR TO INSTALLATION.

1.10 FLYWOOD:

- A. ALL SURFACE MOUNTED ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE MOUNTED ON PLYWOOD BACKBOARDS. PROVIDE ALL PLYWOOD BACKBOARDS REQUIRED FOR THE WORK OF THIS DIVISION. PLYWOOD BACKBOARDS SHALL BE 3/4" THICK, OF HIGHEST QUALITY FIRE RETARDANT FIR, FRIME & PAINT BACKBOARDS WITH FIRE RETARDANT PAINT COLOR AS SELECTED BY THE DESIGN CONSULTANT/ARCHITECT.

1.11 ACCESS DOORS:

- A. WHEREVER BUILDING EQUIPMENT REQUIRES ACCESSIBILITY, MAINTENANCE OR ADJUSTMENT, PROVIDE ACCESS DOORS APPROVED BY ARCHITECT AND FACILITIES MANAGEMENT, ARRANGE FOR ITS INSTALLATION BY THE DIVISION IN WHOSE WORK IT OCCURS.

1.12 DRY WALL CEILINGS:

- A. IN ALL DRYWALL CEILING AREAS, DIVISION 16 IS TO REMOVE AND RELOCATE ALL EXISTING JUNCTION BOXES TO ACCESSIBLE CEILING SPACE.
- B. PROVIDE ACCESS PANELS FOR ALL NEW AND EXISTING DEVICES AS REQUIRED

1.13 CORE DRILLING:

- A. BEFORE CORE DRILLING EXISTING FLOOR SLAB OR STRUCTURAL WALLS, X-RAY SLABS OR WALLS AND HAVE THE LOCATIONS APPROVED IN WRITING.
- B. ANY EXISTING BUILDING SERVICE DAMAGED BY CORE DRILLING SHALL BE REPAIRED IMMEDIATELY AT NO COST TO LANDLORD OR TENANT.
- C. FLOOR DRILLING TO BE PERFORMED AT A TIME ACCEPTABLE TO FACILITY MANAGEMENT AND ALLOWANCES FOR THIS WORK SHALL BE INCLUDED IN BID PRICE SUBMITTED.

1.14 ENGINEERS FINAL INSPECTION:

- A. FINAL INSPECTION IS IMPERATIVE. PRIOR TO CLOSING OF CEILING, THIS CONTRACTOR SHALL CONTACT JMY CONSULTING ENGINEERS, P.C. (212-892-9855) AND THE FACILITY REPRESENTATIVE TO PERFORM A FINAL INSPECTION WHEN CEILING TILES HAVE BEEN INSTALLED IT WILL BE NECESSARY FOR THE CONTRACTOR TO REMOVE PORTIONS FOR INSPECTION.

1.15 COMPLETION OF CONTRACT:

- A. ALL EQUIPMENT MUST BE CLEANED AND TESTED BEFORE FINAL ACCEPTANCE BY THE CONSULTANT.
- B. DEFECTS AND DEFICIENCIES WHICH ORIGINATE OR BECOME EVIDENT DURING THE WARRANTY PERIOD MUST BE REPAIRED OR REPLACED, AT NO COST.
- C. REPLACE, AT NO COST, ALL LAMPS BURNED-OUT LAMPS FOR A PERIOD OF NINETY (90) DAYS AFTER DATE OF ISSUANCE OF CERTIFICATE OF SUBSTANTIAL PERFORMANCE FOR THE CONTRACT FOR THE WORK.
- D. IF, DURING THE WARRANTY PERIOD, TRANSFORMERS, BALLASTS OR OTHER NOISE AND VIBRATION PRODUCING EQUIPMENT ARE CONSIDERED BY THE CONSULTANT TO EXCEED ACCEPTABLE STANDARDS, THEN THESE MUST BE REPLACED WITHOUT DELAY OR ADDITIONAL COST TO THE TENANT. ALL WORK RELATING TO THE REPLACEMENT OF DEFECTIVE ITEMS, MUST BE CARRIED OUT AFTER NORMAL WORKING HOURS AND AT A TIME WHICH IS ACCEPTABLE TO THE TENANT.

1.16 DEMOLITION (VERNI BUILDING):

- A. VISIT THE SITE, EXAMINE THE EXISTING CONDITIONS AND BECOME FAMILIAR WITH THE EXTENT OF THE NECESSARY REMOVAL, RELOCATION, RECONNECTING AND REROUTING OF ELECTRICAL EQUIPMENT AND WIRING AS NECESSARY FOR THE COMPLETION OF THE PROJECT.
- B. REVIEW AND CONFIRM WITH THE ARCHITECT/DESIGNER'S DRAWINGS FOR THE COMPLETE EXTENT OF DEMOLITION AND ALTERATION.
- C. MAKE SAFE AND DISCONNECT ALL POWER AND SYSTEMS, AS AND WHEN, AND TO THE EXTENT REQUIRED TO FACILITATE WITH THE DEMOLITION.
- D. ENSURE THAT ALL ELECTRICAL, LIFE SAFETY SERVICES, AND SERVICES FOR EXISTING EQUIPMENT, IN AREAS OUTSIDE THE AREAS OF THIS WORK, THAT ARE REQUIRED TO REMAIN IN SERVICE, SHALL DO SO.
- E. RELOCATE ANY ELECTRICAL FEEDERS OR EQUIPMENT THAT ARE REQUIRED TO REMAIN IN SERVICE, THAT ARE SECURED TO EXISTING WALLS, FLOORS OR CEILINGS TO BE DEMOLISHED.
- F. REMOVE AND REPLACE ANY ELECTRICAL EQUIPMENT ON WALLS OR CEILINGS THAT WILL BE DEMOLISHED AND REBUILT.

- G. WHEN DELETING AND/OR MAKING SAFE EXISTING ELECTRICAL WORK, ENSURE THAT IT INCLUDES ALL CONDUITS AND WIRING BACK TO THE ASSOCIATED PANELBOARD OR CONTROL PANEL. WHERE FLOOR BOXES ARE BEING REMOVED, ENSURE UNDER-FLOOR CONDUIT IS REMOVED BACK TO SOURCE AND FILL ALL CORE HOLES/OPENINGS IN FLOORS & WALLS, WITH APPROPRIATE CONCRETE.

- H. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES, DEVICES, OUTLETS, ETC. WHICH ARE NOT TO BE REUSED. SUCH ITEMS SHALL BE CARTONED AND TURNED OVER TO THE LANDLORD AT A PLACE DESIGNATED BY THE LANDLORD. CUT BACK AND CAP UNUSED RACEWAY AND OUTLETS AND REMOVE UNUSED WIRING BACK TO PANELBOARD IN AN APPROVED MANNER.

- I. INCLUDE IN DEMOLITION WORK FOR REMOVAL OF ALL COMMUNICATION DEVICES, OUTLETS, CABLES, CONDUITS ETC., WHICH ARE NOT TO BE REUSED. ALL REDUNDANT CABLES AND CONDUIT SHALL BE REMOVED IN ITS ENTIRETY FROM SPACE BACK TO BUILDING RISER ROOMS. REMOVE ALL UNNECESSARY CABLES AND EQUIPMENT IN HUB ROOMS AND/OR TELEPHONE ROOMS WITH EXTREME CARE TO AVOID ANY ACCIDENTAL SHUTDOWN TO EXISTING SERVICES SERVING OTHER PARTS OF THE BUILDING.

- J. PROVIDE BLANK COVERPLATE WHERE OUTLETS ARE REMOVED FROM EXISTING WALLS TO REMAIN.

- K. ALL EXISTING ELECTRICAL EQUIPMENT WHICH IS NO LONGER REQUIRED SHALL BE REMOVED AND DISPOSED OF, OFF SITE.

- L. BE RESPONSIBLE AND PAY FOR ANY DAMAGE TO THE BUILDING INCURRED BY WORK OF THIS DIVISION, OR REPAIR TO THE SATISFACTION OF THE CONSULTANT.

- M. CARRY OUT THE WORK WITH MINIMUM OF NOISE, DUST AND DISTURBANCE.

1.17 WORK IN NEW AND RENOVATED AREAS:

- A. WHEN DELETING AND/OR MAKING SAFE EXISTING ELECTRICAL WORK, ENSURE THAT IT INCLUDES REMOVAL OF ALL DISCONNECTED WIRING BACK TO THE ASSOCIATED PANELBOARD OR DISTRIBUTION EQUIPMENT.

- B. DISCONNECT AND REMOVE EXISTING LUMINAIRES, DEVICES, OUTLETS, ETC. WHICH ARE NOT TO BE REUSED. SUCH ITEMS SHALL BE CARTONED AND TURNED OVER TO THE FACILITY PERSONNEL AT A PLACE DESIGNATED BY THE CLIENT. CUT BACK AND CAP UNUSED RACEWAY AND OUTLETS AND REMOVE UNUSED WIRING BACK TO PANELBOARD IN AN APPROVED MANNER. REMOVE ALL REDUNDANT COMMUNICATIONS CABLES BACK TO HUB ROOMS AND/OR TELEPHONE RISER ROOMS.

- C. ENSURE THAT ALL EXISTING EQUIPMENT WHICH ARE TO BE REUSED AND/OR RELOCATED IS THOROUGHLY INSPECTED AND REFRUBISHED TO ENSURE CORRECT OPERATION WHEN PUT BACK INTO SERVICE AND MEETS THE LOCAL ELECTRICAL SAFETY AUTHORITY'S APPROVAL. OUTLET BOXES AND WIRING AND/OR CONDUITS WHICH ARE CORRODED OR DAMAGED ARE TO BE REPLACED.

- D. ALL EXISTING ELECTRICAL EQUIPMENT WHICH IS NO LONGER REQUIRED SHALL BE REMOVED AND DISPOSED OF, OFF SITE.

- E. WHERE EXISTING OUTLET BOXES ARE REMOVED FROM EXISTING UNDERFLOOR DUCTS, PLUG AND CAP EXISTING HOLES FLUSH WITH FLOOR USING APPROVED FITTINGS. REMOVE ALL REDUNDANT WIRE AND CABLE BACK TO SERVICE.

- F. BE RESPONSIBLE AND PAY FOR ANY DAMAGE TO THE BASE BUILDING INCURRED BY WORK OF THIS DIVISION, OR REPAIR TO THE SATISFACTION OF THE CONSULTANT.

- G. CARRY OUT THE WORK WITH A MINIMUM OF NOISE, DUST AND DISTURBANCE.

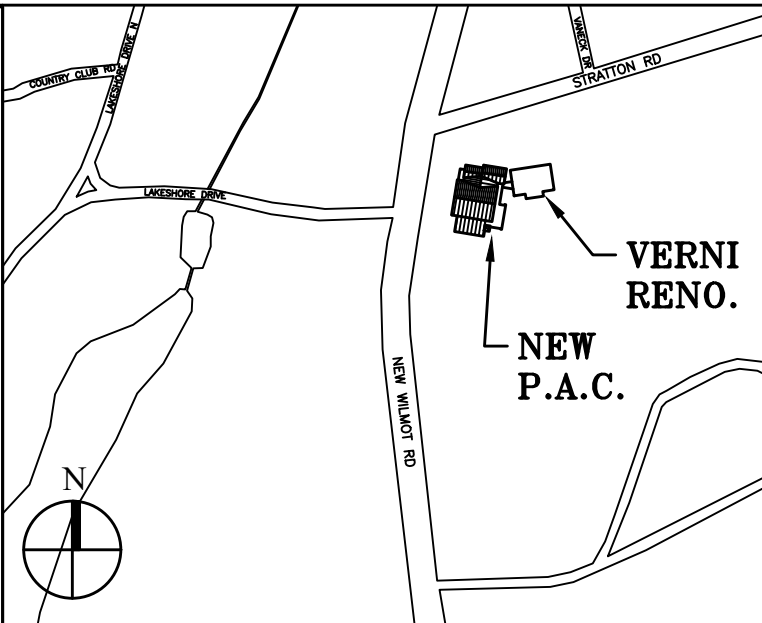
- H. PROVIDE TOOLS AND CLEAN UP EQUIPMENT. OBTAIN THE FACILITIES PERMISSION FOR THE USE OF ELECTRICAL, ELEVATOR, PLUMBING OR DRAINAGE OUTLETS.

- I. PROVIDE DAILY CLEAN UP AND PROPER DISPOSAL OF DEBRIS GENERATED BY DAILY OPERATIONS. ON COMPLETION OF THE WORK, ALL TOOLS, SURPLUS MATERIALS AND WASTE MATERIALS SHALL BE REMOVED AND THE PREMISES LEFT IN A CLEAN AND PERFECT CONDITION.

- J. REMOVE AND REROUTE EXISTING CONDUITS WHICH ARE TO REMAIN IN FINISHED AREAS WHICH ARE TO BE EXPOSED.

- K. CONDUITS WHICH ARE TO BE CUT BACK ARE TO TERMINATE IN A JUNCTION BOX.

- L. CLEAN LUMINAIRE REFLECTORS AND LENSES, LAMPS AND OTHER SURFACES THAT HAVE BEEN EXPOSED TO CONSTRUCTION DUST AND DIRT. CLEAN THE INSIDES AND OUTSIDES OF PANELBOARDS, SPLITTERS AND OTHER ELECTRICAL EQUIPMENT, AND COMPLETELY REMOVE ALL DEBRIS AND TOOLS FROM THE PROJECT.



Key Plan (not to scale)

7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE

No.	Date	Revision/Submision
STRUCTURAL & SITE CIVIL ENGINEER		
DOMINICK R PILLA ASSOCIATES, P.C. 145 MAIN STREET NYACK, NY 10960 845-727-7793		
MFP ENGINEER		ROOFING CONSULTANT
JMY CONSULTING ENGINEERING, P.C. 37 W. 58 STREET, STE 703 NEW YORK, NY 10019 212-652-9855		WATSKY ASSOCIATES 20 MADISON AVENUE VALHALLA, NY 10595 914-945-3450

Stamp

Project Title
**IONA PREPARATORY SCHOOL
 ADDITION AND ALTERATION TO THE
 PAUL VERNI FINE ARTS CENTER**

Project Address
**IONA PREPARATORY SCHOOL
 255 Wilnot Road
 New Rochelle, NY 10804**

Drawing Title
**ELECTRICAL
 SPECIFICATIONS I**

Scale	Job No.	Date	Drawing No.
NTS	1618	04/03/2019	E-102
Drawn			

Peter Gisolfi Associates
 Architects Landscape Architects, LLP
 586 Warburton Avenue
 Hastings on Hudson, NY 10706
 914 478 3677

PETER GISOLFI ASSOCIATES

PART 2 PRODUCT/APPLICATION

2.01 WIRING DEVICES:

- A. WIRING DEVICES SHALL BE SPECIFICATION GRADE, DECORATIVE STYLE, UNLESS OTHERWISE NOTED.
- B. DEVICES GANGED TOGETHER IN MULTI-GANG BOX SHALL BE MOUNTED UNDER A SINGLE COVERPLATE.
- C. LINE VOLTAGE SWITCHES SHALL BE 120/277 VOLTS, RATED AT 20 AMPERES, QUIET OPERATION ROCKER TYPE, DECORA STYLE.
- D. RECEPTACLES
 - 1. PROVIDE SPECIFICATION GRADE 20A, 120 VOLT, "I" GROUND RECEPTACLES, WITH MATCHING COVERPLATES. RECEPTACLES SHALL BE OF THE "DECORATOR STYLE".
 - 2. REFER TO NOTES AND DETAILS FOR SPECIALITY RECEPTACLE COLORS FOR RECEPTACLES DEDICATED FOR PERSONAL COMPUTERS.
 - 3. RECEPTACLES TO HAVE CIRCUIT NUMBER IDENTIFIED ON THE WALL PLATE AND FURTHER IDENTIFIED WITH THE EXACT LOCATION LISTED IN THE PANEL DIRECTORY.
- E. DIMMERS
 - 1. PROVIDE DIMMERS WITH LINEAR SLIDE CONTROL, SIZED TO SUIT LOADS CONTROLLED OR FOR LED 0-10V, INCANDESCENT, LOW VOLTAGE MAGNETIC AND LOW VOLTAGE ELECTRONIC LIGHTING AS INDICATED.
 - 2. ALL DIMMERS SHALL INCORPORATE AN AIR GAP SWITCH WHICH SHALL BE ACCESSIBLE WITHOUT REMOVING THE FACEPLATE. MEET THE ILL. 20 ULL 1412 LIMITED SHORT CIRCUIT TEST REQUIREMENTS FOR SNAP SWITCHES AND MEET ANSI/IEEE STANDARD C62.41-1980, TESTED TO WITHSTAND VOLTAGE SURGES OF UP TO 6000V AND CURRENT SURGES OF UP TO 200A WITHOUT DAMAGE. MANUFACTURER SHALL PROVIDE FILE CARD UPON REQUEST SHOWING THEIR COMPLIANCE WITH THE ABOVE STANDARDS.
 - 3. DIMMERS SHALL BE RATED AT VOLTAGE COMPATIBLE WITH FIXTURE, WATTAGE SIZE AS REQUIRED.
 - 4. WHERE DIMMER SWITCHES ARE LOCATED NEXT TO SINGLE POLE OR VARIABLE SPEED TYPE SWITCHES, THE SINGLE POLE/VARIABLE SPEED SWITCHES SHALL MATCH THE DIMMING SWITCH STYLE.
 - 5. DIMMERS BASED ON GANGED TOGETHER SHALL BE PROPERLY DERATED BASED ON MANUFACTURERS RECOMMENDATIONS. FINS OF DIMMERS SHALL NOT BE REMOVED IN MULTIGANG INSTALLATIONS. PROVIDE OVER-SIZED JUNCTION BOX FOR MOUNTING OF WALL DIMMER.
 - 6. DIMMERS SHOWN SIDE BY SIDE SHALL BE GANGED UNDER ONE SEAMLESS, MULTI-GANG FACEPLATES.
 - 7. DIMMERS SHALL BE OF LEVITON SERIES OR OF APPROVED EQUIVALENT.

2.02 RACEWAYS:

- A. ALL WIRES SHALL BE RUN IN CONDUIT. SEE WIRE AND CABLE SECTION 2.03A FOR ALTERNATE PRICING.
- B. FOR ALL SIZES OF CONDUIT LARGER THAN 1-1/2", USE STANDARD ELBOW.
- C. CONDUIT SHALL BE SECURELY FASTENED IN PLACE AND HANGERS, SUPPORTS OR FASTENINGS SHALL BE PROVIDED AT EACH ELBOW AND AT EACH END OF EACH STRAIGHT RUN TERMINATED AT A BOX OR CABINET.
- D. PROVIDE EXPANSION FITTINGS IN EACH CONDUIT RUN WHEREVER IT CROSSES AN EXPANSION JOINT AND WHEREVER THE CONDUIT LENGTH EXCEEDS 200 FEET.
- E. UNLESS OTHERWISE INDICATED OR SPECIFIED, ALL WIRING SHALL BE INSTALLED CONCEALED.
- F. FEEDERS AND BRANCH CIRCUITRY ABOVE HUNG CEILING AND IN PARTITIONS SHALL BE RUN IN ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE NOTED. FINAL CONNECTIONS TO MOTORS, LIGHT FIXTURES, TRANSFORMERS, AND EQUIPMENT SUBJECT TO VIBRATION WILL BE DONE WITH FLEXIBLE METALLIC CONDUIT (GREENFIELD). LENGTH SHALL NOT EXCEED 6 FEET.
- G. ALL CONDUIT IN MECHANICAL ROOMS, ELECTRICAL CLOSETS AND WHERE CONCEALED IN CONCRETE OR INSTALLED OUTDOORS SHALL BE RIGID THREADED REGARDLESS OF SIZE.
- H. ALL CONDUITS INSTALLED IN CONCRETE OR OUTDOORS SHALL BE PROVIDED WITH WEATHERPROOF CONNECTORS.
- I. ELECTRIC METALLIC TUBING SHALL BE INDUSTRY STANDARD THIN WALL CONDUIT, HOT DIPPED GALVANIZED STEEL (3/4" MIN, 4" MAX).
- J. THE FLEXIBLE METALLIC CONDUIT SHALL BE OF THE GROUNDING TYPE. IT SHALL CONSIST OF GALVANIZED STEEL TAPE FORMED INTO AN INDUSTRY STANDARD INTERLOCKING COIL (3/4" MIN).
- K. RIGID METAL CONDUIT SHALL BE INDUSTRY STANDARD STEEL CONDUIT (3/4" MIN, 4" MAX).
- L. THREADED FITTINGS SHALL BE USED WITH RIGID CONDUIT. DOUBLE SET SCREW OR COMPRESSION FITTINGS SHALL BE USED WITH EMT.
- M. ALL METAL CONDUIT TERMINATING IN A METAL ENCLOSURE SHALL HAVE AN INSULATED BUSHING. PROVIDE "GROUNDING" TYPE BUSHING WHERE REQUIRED.
- N. INSTALL CONDUITS TO CONSERVE HEADROOM, PARALLEL AND PERPENDICULAR TO BUILDING LINES, DO NOT CLIP CONDUITS TO CEILING HANGER.
- O. INSTALL TWO (2) (1") SPARE CONDUITS UP TO CEILING SPACE FOR EACH RECEASED PANELBOARD. TERMINATE THESE CONDUITS IN A 6" X 6" X 4" COVERED JUNCTION BOX IN CEILING SPACE.
- P. WALL COMMUNICATIONS CONDUIT SHALL BE REAMED AND INSTALLED COMPLETE WITH INSULATED BUSHINGS AT EACH END.

2.03 WIRE AND CABLE:

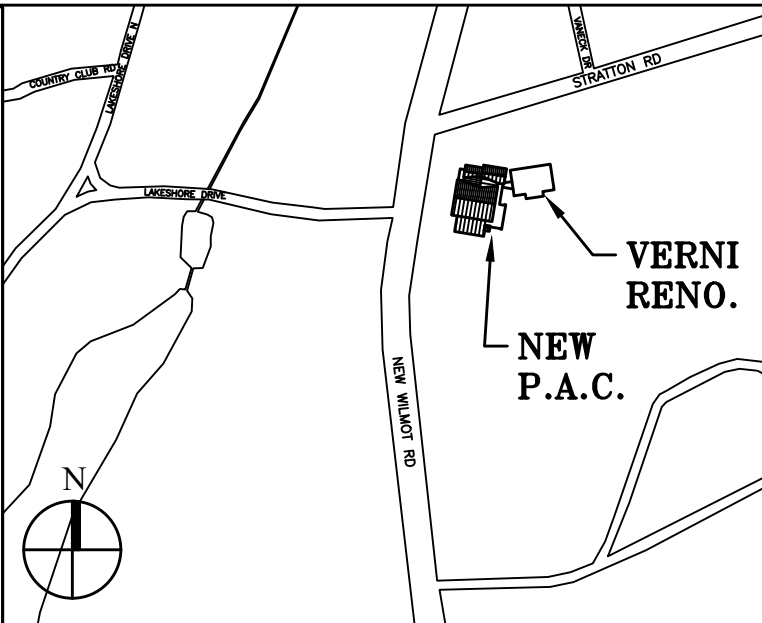
- A. METAL CLAD (TYPE MC) FOR CONCEALED BRANCH CIRCUITRY IN CONCEALED SPACE ONLY MAY BE USED WHEN APPROVED BY BUILDING MANAGEMENT. EMT SHALL BE USED WHEN EXPOSED AND IN BUILDING CLOSETS. METAL CLAD (TYPE MC) SHALL NOT BE INSTALLED INTO PANELBOARDS.
 - B. ALL HOME RUNS TO BE IN CONDUIT.
 - C. ALL CONDUCTORS SHALL BE SOFT 98% MINIMUM CONDUCTIVITY PROPERLY REFINED COPPER TYPE THIN/WALL INSULATED RATED AT 600V, UNLESS OTHERWISE NOTED.
 - D. THE MINIMUM WIRE SIZE FOR BRANCH CIRCUITS SHALL BE NO. 12 AWG EXCEPT 120 VOLT CIRCUITS OVER 100' IN LENGTH SHALL BE NO. 10 AWG.
 - E. ALL WIRES NO. 10 AWG AND SMALLER SHALL BE SOLID, CONDUCTORS NO. 8 AWG AND LARGER SHALL BE STRANDED.
 - F. ALL FEEDER CONDUCTORS SHALL FOR MAXIMUM 2% VOLTAGE DROP PER ASHRAE 90.1-2010 8.4.1. BRANCH CIRCUITS SHALL ALSO BE SIZES FOR 2% VOLTAGE DROP.
 - G. COLOR CODING SHALL BE SIMILAR TO:
 - 277/480V: PHASE 'A': BROWN, PHASE 'B': YELLOW, PHASE 'C': ORANGE, NEUTRAL: GRAY OR WHITE WITH A COLORED STRIPE (NOT GREEN), GROUND: GREEN, MATCHING BUILDING STANDARD. REFER TO SPECIFICATION SECTION 3.02.B FOR PANELBOARD LABELING REQUIREMENTS.
 - 277/480V: PHASE 'A': BROWN, PHASE 'B': YELLOW, PHASE 'C': ORANGE, NEUTRAL: GRAY OR WHITE WITH A COLORED STRIPE (NOT GREEN), GROUND: GREEN, MATCHING BUILDING STANDARD. REFER TO SPECIFICATION SECTION 3.02.B FOR PANELBOARD LABELING REQUIREMENTS.
 - H. TAG ALL FEEDERS IN ALL PULL BOXES, GUTTER SPACES, AND WIREWAYS THROUGH WHICH THEY PASS.
 - I. TERMINATE STRANDED CONDUCTORS NO. 6 AWG AND LARGER AT SWITCHBOARDS, TRANSFORMERS, UPS SYSTEMS WITH COMPRESSION TYPE CONNECTORS. TERMINATE WITH MECHANICAL LUGS AT PANELBOARDS.
 - J. JOIN OR TAP STRANDED CONDUCTORS (NO. 6 AWG AND LARGER) WITH PRESSURE INDENT TYPE CONNECTORS BURNDY, NERCO, OR OZ/GEDNEY WITH COMPOSITION INSULATING COVERS.
 - K. SPLICES IN BRANCH WIRING (NO. 8 AWG AND SMALLER) SHALL BE TWISTED AND MADE MECHANICALLY TIGHT THEN SECURED WITH PIGTAIL CONNECTORS. CRIMP TYPE CONNECTORS SHALL NOT BE USED. UTILIZE UL LISTED, "SILICON FILLED" PIGTAIL CONNECTORS WHERE LOCATED IN WET ENVIRONMENTS OR OUTDOORS.
 - L. SUPPORT CONDUCTORS IN VERTICAL RACEWAYS IN ACCORDANCE WITH THE NEC BASED ON CONDUCTOR SIZE AND VERTICAL DISTANCE.
 - M. WALL MOUNTED DEVICES SHALL BE FED VERTICALLY. HORIZONTAL RUNS THROUGH PARTITIONS SHALL NOT BE PERMITTED, EXCEPT IN LOW HEIGHT PARTITIONS OR WHERE NOTED ON DRAWINGS.
- 2.04 FULLBOXES, JUNCTION BOXES AND OUTLET BOXES:
- A. FULLBOXES, JUNCTION BOXES AND OUTLET BOXES SHALL BE MANUFACTURED FROM GALVANIZED INDUSTRY STANDARD GAUGE SHEET STEEL.
 - B. PROVIDE PULL BOXES AND JUNCTION BOXES IN LONG STRAIGHT RUNS OF RACEWAY TO ASSURE THAT CABLES ARE NOT DAMAGED WHEN THEY ARE FILLED, TO FULFILL REQUIREMENTS AS TO THE NUMBER OF BENDS PERMITTED IN RACEWAY BETWEEN CABLE ACCESS POINTS, THE ACCESSIBILITY OF CABLE JOINTS AND SPLICES, AND THE APPLICATION OF CABLE SUPPORTS.
 - C. FULLBOXES AND JUNCTION BOXES SHALL BE SIZED SO THAT THE MINIMUM BENDING RADIUS CRITERIA SPECIFIED FOR THE WIRES AND CABLE ARE MAINTAINED.
 - D. SWITCH RECEPTACLE AND WALL OUTLET BOXES SHALL BE A NOMINAL 4" SQUARE, 1-1/2" OR 2-1/8" DEEP AS REQUIRED BY CODE WITH A RAISED COVER, UNLESS OTHERWISE INDICATED ON THE DRAWING.
 - E. PROVIDE BLANK COVERPLATES FOR BOXES WITHOUT WIRING DEVICES.
 - F. DO NOT INSTALL OUTLET BOXES BACK TO BACK IN PARTITIONS. STAGGER TO PREVENT SOUND TRANSFER.
 - G. TWO OR MORE OUTLET BOXES THAT OCCUR AT THE SAME LOCATION SHALL BE GANGED TOGETHER IN THE SAME COVERPLATE UNLESS OTHERWISE NOTED.
 - H. LIGHTING FIXTURE BOXES SHALL BE 4" OCTAGON TYPE, DEPTH AS REQUIRED WITH 3/8" FIXTURE STUD. FOR SUSPENDED CEILING WORK, PROVIDE A 4" OCTAGON BOX WITH REMOVABLE BACKPLATE WHERE REQUIRED.
 - I. FULL/JUNCTION BOX BARRIERS SHALL BE PROVIDED WHERE REQUIRED BY CODE.
 - J. INSTALL JUNCTION AND FULLBOXES IN INCONSPICUOUS LOCATIONS.
 - K. A MINIMUM OF ONE FULLBOX SHALL BE INSTALLED FOR EVERY 100 FT OF CONDUITS. (NOTE: EACH 90 DEGREE BEND SHALL EQUATE TO 30' LENGTH OF CONDUIT).
 - L. NO MORE THAN TWO (2) 90 DEGREE BENDS SHALL BE INSTALLED BETWEEN AND TWO ADJACENT FULLBOXES.
 - M. ALL EQUIPMENT, DEVICE BOXES, JUNCTION BOXES, FULLBOXES AND OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO THE BOX.
 - N. OUTLET BOXES SHALL BE PROVIDED FOR ALL LOW VOLTAGE DEVICES (IE. TELEPHONE/DATA, SECURITY, FIRE ALARM, ETC.). COORDINATE BOX SIZE AND DEPTH WITH RESPECTIVE VENDOR.

2.05 SUPPORTS AND FASTENINGS:

- A. PROVIDE ALL STEEL SUPPORTING MEMBERS, HANGERS, BRACKETS OR OTHER SPECIAL DETAILS REQUIRED AND NECESSARY AS PER CODE.
 - B. EXCEPT FOR BRANCH CIRCUITRY INSTALL ALL CONDUIT IN HUNG CEILING SPACE ON ACCEPTABLE HANGERS AND INSERTS. CONDUIT OR MC CABLE FOR BRANCH CIRCUITRY SHALL BE SUPPORTED BY CLAMPS OR PIPE STRAPS SECURED TO THE CEILING SUPPORT SYSTEM (BLACK IRON), FROM STRUCTURAL MEMBERS OR FROM THE DECK. SUPPORT FROM CEILING TEES, CROSS TEES OR SUPPORT WIRES IS PROHIBITED.
 - C. SPACING OF SUPPORTS SHALL BE PER THE NEC.
 - D. INSERTS ARE TO BE OF A LEAD SHIELD TYPE.
 - E. HANGERS MUST NOT BE WELDED TO STRUCTURAL STEEL MEMBERS AND BURNING OF HOLES IN STRUCTURAL STEEL IS PROHIBITED.
 - F. SLEEVES ARE TO BE OF A TYPE SUITABLE FOR THE APPLICATION AND BE SEALED AND MADE WATERTIGHT. SLEEVES THROUGH CONCRETE SHALL BE SCHEDULE 40 STEEL PIPE, SIZED FOR FREE PASSAGE OF CONDUIT AND INSTALLED FLUSH WITH UNDERSIZE OF CONCRETE SLAB AND EXTEND 4" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
- 2.06 DISCONNECT SWITCHES:
- A. INDOOR DISCONNECT SWITCHES SHALL BE "QUICK-MAKE, QUICK-BREAK," HEAVY DUTY TYPE IN NEMA I ENCLOSURES. PROVIDE ALL FUSES WHERE NOTED.
 - B. OUTDOOR DISCONNECT SWITCHES SHALL BE SIMILAR TO INDOOR EXCEPT LISTED FOR OUTDOOR APPLICATIONS (NEMA 3R OR 4, AS REQUIRED).
- 2.07 FUSES:
- A. FUSES SHALL BE CURRENT LIMITING TYPE WITH AN INTERRUPTING CAPACITY OF 200,000 RMS.
 - B. THEY SHALL HAVE AVERAGE MELTING TIME-CURRENT CHARACTERISTICS TO MEET THE UL REQUIREMENTS FOR "CLASS K" 0-600 AMP FUSES AND "CLASS L" OVER 600 AMP FUSES.
- 2.08 CIRCUIT BREAKERS:
- A. FOR PANELBOARD APPLICATIONS, CIRCUIT BREAKERS SHALL BE BOLTED TO THE PANELBOARD BUS BARS. WHERE CIRCUIT BREAKERS ARE INSTALLED IN EXISTING PANELBOARD BREAKERS SHALL BE OF THE SAME MANUFACTURER AND INTERRUPTING RATING. BREAKERS SHALL BE COMPATIBLE WITH EXISTING PANELBOARD.
 - B. CIRCUIT BREAKERS SHALL BE "THERMAL MAGNETIC" TYPE, QUICK-MAKE, QUICK-BREAK, TRIP-FREE WITH NON-WELDING CONTACTS COMPENSATED FOR AMBIENT TEMPERATURES AND SHALL HAVE A MINIMUM SHORT CIRCUIT RATING OF 10,000 AMPERES SYMMETRICAL FOR 120/280V PANELS.
 - C. MULTIWIRE BRANCH CIRCUITS SUPPLYING POWER TO MORE THAN ONE DEVICE OR EQUIPMENT SHALL BE PROVIDED WITH A MEANS TO DISCONNECT SIMULTANEOUSLY ALL UNGROUNDED CONDUCTORS AT THE PANELBOARD WHERE THE BRANCH CIRCUIT ORIGINATES. CONTRACTOR SHALL COORDINATE WITH LOCAL AHJ THE MEANS REQUIRED TO MEET NEC SECTIONS 210.4(B). CONTRACTOR SHALL REMOVE AND REPLACE ALL EXISTING RECEPTACLES THAT CAN NOT BE RETROFITTED WITH THE BARS AS REQUIRED TO COMPLY WITH REQUIREMENT.
 - D. TANDEM BREAKERS MAY NOT BE UTILIZED.
 - E. PROVIDE BREAKER LOCKS FOR ALL NEW AND EXISTING BREAKERS SERVING EXIT LIGHTS, EMERGENCY LIGHTING AND EMERGENCY BATTERY PACKS.
- 2.09 PANELBOARDS:
- A. PANELBOARD BOXES SHALL BE MADE OF SHEET STEEL "BENT-UP" OR RIVETED OR BOLTED TOGETHER WITH EXTERIOR ANGLE IRON FRAME. BOX SHALL BE OF SUFFICIENT SIZE TO ALLOW A GUTTER, AT LEAST 6" IN WIDTH ENTIRELY SURROUNDING EACH SECTION OF BOARD. PANELBOARDS SHALL BE SURFACE OR FLUSH TYPE AS NOTED ON THE DRAWINGS, PANEL BOX AND COVER SHALL BE GIVEN TWO COATS OF GRAY ENAMEL PAINT.
 - B. PROVIDE CODE GAUGE STEEL DOORS FOR ALL PANELBOARD BOXES. FRONT COVER SHALL BE A "DOOR WITHIN A DOOR" TYPE. THE OUTER DOOR (TRIM) SHALL ALLOW ACCESS TO ENTIRE PANELBOARD BOX INCLUDING GUTTER SPACES. OUTER DOOR (TRIM) SHALL BE ATTACHED DIRECTLY TO BOX BY A FULL LENGTH PIANO HINGE. THE INNER DOOR SHALL ALLOW ACCESS TO CIRCUIT BREAKERS ONLY. PROVIDE LOCK AND SET OF KEYS FOR INNER DOOR PER PANELBOARD.
 - C. PANEL BUS BARS SHALL BE COPPER PROPORTIONED FOR A CURRENT DENSITY OF 1000 AMPERES PER SQUARE INCH OF CROSS-SECTIONAL AREA. PROVIDE A COPPER EQUIPMENT GROUND BAR IN EACH PANEL, AND A COPPER ISOLATED GROUND BAR IN NOTED PANELS.
 - D. PANELS SHALL BE PROVIDED WITH NEUTRAL BARS SIZED AT 200% OF THE PHASE BUS BARS.
 - E. ALL MAIN BREAKERS SHALL BE SEPARATELY MOUNTED ON TOP OR BOTTOM OF PANEL TO SUIT CABLE ENTRY.
 - F. ALL FLOOR MOUNTED DISTRIBUTION EQUIPMENT, INCLUDING PANELBOARDS AND/OR DISTRIBUTION PANELBOARDS SHALL BE INSTALLED ON A 4" HIGH CONCRETE BASE TO EXTEND 2" ON ALL SIDES WITH CHAMFERED CORNERS. ALL CONCRETE WORK TO BE INCLUDED IN THIS DIVISION.
 - G. A TYPEWRITTEN LIST OF CIRCUITS SHOWING CLEARLY THE LOADS SUPPLIED BY EACH CIRCUIT SHALL BE INSTALLED ON THE INSIDE OF EACH PANEL BOARD DOOR. THIS LIST SHALL BE MOUNTED IN A STEEL FRAME UNDER A PLASTIC WINDOW. EACH PANEL SHALL BE EXTERNALLY TAGGED WITH PERMANENT LAMACOID PLATE INDICATING PANEL DESIGNATION AND VOLTAGE. PANEL DIRECTORY SHALL BE SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLING IN PANELBOARD. LOAD DESCRIPTION SHALL INCLUDE COLUMN GRID LINES, ROOM NUMBERS, OR OTHER INFORMATION TO CLEARLY DISTINGUISH LOAD LOCATION.
 - H. PHASE LEGS OF ALL PANELS SHALL BE BALANCED AT SUPPLY POINT TO WITHIN 10% AFTER ALL CIRCUITS ARE WIRED AND LOADS CONNECTED.

2.10 TRANSFORMERS:

- A. THREE PHASE TRANSFORMERS SHALL BE 480 VOLT DELTA PRIMARY AND 208/120 VOLT WYE SECONDARY IN A NEMA 1 VENTILATED ENCLOSURE, UNLESS OTHERWISE NOTED. TRANSFORMERS SHALL HAVE A MINIMUM OF TWO 2-1/2% FULL CAPACITY PRIMARY TAPS ABOVE AND FOUR 2-1/2% FULL CAPACITY PRIMARY TAPS BELOW NORMAL PRIMARY VOLTAGE. ADJUST SECONDARY VOLTAGE TO BE 208/120 WHEN INSTALLED.
 - B. TRANSFORMER 13/4KV DELTA TO 120/208V, 3-PHASE SHALL BE PROVIDED BY UTILITY COMPANY. COORDINATE FINAL LOCATION.
 - C. TRANSFORMERS SHALL BE PROVIDED WITH COPPER WINDINGS.
 - D. TRANSFORMERS NOTED AS FLOOR MOUNTED SHALL BE INSTALLED WITH 4" TO 6" CONCRETE PAD OR VIBRATION ISOLATION.
- 2.11 LIGHTING FIXTURES:
- A. ALL LIGHTING FIXTURE MOUNTING HARDWARE SHALL MATCH AND BE COORDINATED WITH THE NEW CEILING SYSTEM TYPE. ALL FIXTURES SHALL BE EQUIPPED WITH "EARTHQUAKE" CLIPS. ALL LIGHTING FIXTURES SHALL BE INSTALLED WITH SEISMIC BRACING AS INDICATED ON ARCHITECTURAL CEILING DETAILS.
 - B. ALL FIXTURES SHALL BE FREE OF LIGHT LEAKS BELOW CEILING.
 - C. SHALL CONFORM TO ANSI AND UL SPECIFICATION WITH LABELS OF APPROVAL BY UL AND CERTIFICATION BY C.B.M. BALLASTS SHALL COMPLY WITH THE STATE ENERGY CODE. DRIVER FOR LED SHALL BE SUPPLIED AS UNIVERSAL VOLTAGE, SUITABLE TO BE CONNECTED TO 120 VOLT OR 277 VOLT LIGHTING.
 - D. WHERE DIMMING OF LED FIXTURES IS REQUIRED, THE DRIVER INSTALLED MUST BE COMPATIBLE WITH THE DIMMING SPECIFIED.
 - E. REFER TO ARCHITECTURAL DRAWINGS FOR ALL LIGHT FIXTURE SPECIFICATIONS.
 - F. ALL FIXTURES SHALL BE COMPLETE WITH NEW LAMPS, BALLASTS, ACCESSORIES AND MOUNTING APPURTENANCES.
 - G. ALL LIGHT FIXTURES SHALL BE UL APPROVED.
 - H. CONTRACTOR SHALL AIM AND ADJUST ALL LIGHT FIXTURES IN PRESENCE OF LIGHTING CONSULTANT.
 - I. WHERE DIMMING OF LED/FLUORESCENT FIXTURES IS REQUIRED IN DAYLIGHT ZONES, THE ELECTRONIC DRIVER BALLAST INSTALLED SHALL BE COMPATIBLE WITH THE DAY-LIGHTING SENSOR, AS NOTED BY THE LIGHTING DESIGNER/ARCHITECT SCHEDULE. CONTRACTOR WILL BE RESPONSIBLE FOR REVIEWING FIXTURE SPECIFICATION AND ENSURING SENSOR INSTALLED IS COORDINATED WITH FIXTURE TYPE.
 - J. WHERE DIMMING OF LOW VOLTAGE FIXTURES IS REQUIRED, THE STEP DOWN VOLTAGE TRANSFORMER SHALL BE ELECTRONIC (OR MAGNETIC) AS NOTED BY THE LIGHTING DESIGNER/ARCHITECT SCHEDULE. CONTRACTOR WILL BE RESPONSIBLE FOR REVIEWING FIXTURE SPECIFICATION AND ENSURING DIMMER SWITCH INSTALLED IS COORDINATED WITH FIXTURE TYPE.
 - K. ALL LIGHTING FIXTURES SHALL BE INSTALLED WITH SEISMIC BRACING AS INDICATED ON ARCHITECTURAL CEILING DETAILS.



Key Plan (not to scale)

7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE

No.	Date	Revision/Submission
STRUCTURAL & SITE CIVIL ENGINEER		
DOMINICK R PILLA ASSOCIATES, P.C. 143 MAIN STREET NYACK, NY 10960 945-727-7793		
MEP ENGINEER		ROOFING CONSULTANT
JMV CONSULTING ENGINEERING, P.C. 37 W. 58 STREET, STE 703 NEW YORK, NY 10019 212-652-9855		WATSKY ASSOCIATES 20 MADISON AVENUE VALHALLA, NY 10595 914-945-3450

Stamp

Project Title
IONA PREPARATORY SCHOOL
ADDITION AND ALTERATION TO THE
PAUL VERNI FINE ARTS CENTER

Project Address
IONA PREPARATORY SCHOOL
255 Wilmot Road
New Rochelle, NY 10804

Drawing Title
ELECTRICAL
SPECIFICATIONS II

Scale	Job No.	Date	Drawing No.
NTS	1618	04/03/2019	E-103
Drawn			

Peter Gisolfi Associates
Architects Landscape Architects, LLP
588 Warburton Avenue
Hastings on Hudson, NY 10706
914 478 3677

PETER GISOLFI ASSOCIATES

PART 2 CONTINUED:

2.12 FIRE ALARM SYSTEM (VERNI BUILDING)

- A. INSTALL NEW FIRE ALARM DEVICES AS AN EXTENSION OF THE EXISTING SYSTEM IN THE BUILDING.
 - B. THE FIRE ALARM SYSTEM MODIFICATION SHALL UTILIZE EQUIPMENT AND DEVICES TO MATCH THE EXISTING BUILDING FIRE ALARM SYSTEM AND/OR BE COMPATIBLE THEREWITH.
 - C. MEET REQUIREMENTS OF NFPA 72, ALL APPLICABLE CODES AND LOCAL LAWS, AND BE INSTALLED AND CONNECTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS. ALL FINAL CONNECTIONS TO BE MADE BY THIS CONTRACTOR WITH THE APPROVAL AND SUPERVISION OF THE FACILITIES MANAGEMENT AND FIRE ALARM SYSTEM VENDOR.
 - D. ALL COST ASSOCIATED WITH CONNECTION & REPROGRAMMING OF THE EXISTING FIRE ALARM SYSTEM TO BE PAID BY THIS CONTRACTOR.
 - E. BUILDING FIRE ALARM SYSTEM INTEGRITY SHALL BE MAINTAINED AT ALL TIMES (BEFORE, DURING & AFTER DEMOLITION AND/OR CONSTRUCTION. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO MAINTAIN OPERATION OF ALL EXISTING FIRE ALARM DEVICES AT ALL TIMES.
 - F. WHERE THE BUILDING LIFE SAFETY SYSTEM IS TAKEN OUT OF SERVICE, THE FIRE DEPARTMENT AND AHJ SHALL BE NOTIFIED. EVACUATION OF THE BUILDING OR A FIRE WATCH MAY BE REQUIRED PER 2020 NYCFC 901.1.
 - G. ELECTRICAL CONTRACTOR SHALL CONFIRM THAT ALL EXISTING WIRING ON TENANT FLOOR IS COMPLIANT WITH LATEST FIRE ALARM STANDARDS AND BUILDING REQUIREMENTS. IF WIRING DOES NOT MEET LATEST STANDARDS OR BUILDING REQUIREMENTS, ALL WIRING SHALL BE REPLACED AS PART OF THIS PROJECT.
 - H. ELECTRICAL CONTRACTOR SHALL OBTAIN THE SERVICES OF THE BASE BUILDING FIRE ALARM VENDOR OPEN SYSTEMS METRO (914) 928-4219 TO DEVELOP AND DESIGN A CODE COMPLIANT, FULLY FUNCTIONAL FIRE ALARM SYSTEM. THE DESIGN DOCUMENTS INDICATE GENERAL INTENT OF AUDIO, VISUAL, AND ACTIVATION DEVICES. CONTRACTOR SHALL INCLUDE IN THEIR BID ALL DEVICES REQUIRED BY LOCAL FIRE ALARM INSPECTORS INCLUDING, BUT NOT LIMITED TO SMOKE DETECTORS, PULL STATIONS, WARDEN STATIONS, INTERFACE RELAYS, ETC. CONTRACTOR AND VENDOR SHALL ALSO INCLUDE ALL COMPONENTS TO UPGRADE THE EXISTING BASE BUILDING SYSTEM EXPANSION INCLUDING, BUT NOT LIMITED TO RELAY CARDS, STROBE CONTROL PANELS, AMPLIFIERS, ETC.
 - I. SUBMISSION OF BID ACKNOWLEDGES THAT ELECTRICAL CONTRACTOR HAS CONTACTED THE BASE BUILDING VENDOR & HAS INCLUDED ALL COMPONENTS FOR A CODE COMPLIANT SYSTEM. ADDITIONAL CLAIMS FOR CHANGES IN VENDOR SCOPE OR ADDITIONAL DEVICES/COMPONENTS, UNLESS INITIATED BY TENANT WILL NOT BE ACCEPTED.
 - J. ALL NEW PULL STATIONS, SPEAKERS AND SMOKE DETECTORS ETC. TO MATCH EXISTING BUILDING DEVICES
 - K. ALL SMOKE DAMPERS SHALL BE CONNECTED TO THE NEAREST AVAILABLE 120V LIFE SAFETY EMERGENCY CIRCUIT. THE DEVICE INTO FIRE ALARM SYSTEM, PROVIDE ALL REQUIRED END SWITCHES AND ACCESSORIES FOR APPROPRIATE MONITORING AND CONTROL. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
 - L. ALL AUDIO VISUAL WALL MOUNTED FIRE ALARM DEVICES SHALL BE WHITE WITH WHITE FACE PLATE AND RED LETTERING UNLESS OTHERWISE DIRECTED BY ARCHITECT.
 - M. SYSTEM CONNECTIONS FOR INITIATING AND SIGNALING LINE CIRCUITS SHALL MATCH BUILDING STANDARDS AND SHALL BE COMPLIANT WITH THE REQUIREMENTS OF THE FIRE MARSHALL OR AUTHORITY HAVING JURISDICTION.
 - N. CIRCUIT SUPERVISION: CIRCUIT FAULTS SHALL BE INDICATED BY A TROUBLE SIGNAL AT THE FACP. PROVIDE A DISTINCTIVE INDICATING AUDIBLE TONE AND ALPHANUMERIC ANNUNCIATION.
 - O. VISUAL DEVICE TO BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM. CONTRACTOR TO PROVIDE ALL ASSOCIATED DRIVERS, POWER SUPPLIES, CONDUIT, WIRE AND ACCESSORIES FOR A COMPLETE AND OPERATIONAL SYSTEM.
 - P. STROBE SHALL BE SUITABLE FOR OPERATION WITH EXISTING FIRE ALARM SYSTEM. THE V/O SHALL CONSIST OF A XENON FLASH TUBE AND ASSOCIATED LENS/REFLECTOR SYSTEM. THE V/O ENCLOSURE SHALL MOUNT DIRECTLY TO STANDARD SINGLE GANG, DOUBLE GANG OR 4" SQUARE ELECTRICAL BOX, WITHOUT THE USE OF SPECIAL ADAPTERS OR TRIM RINGS. V/O APPLIANCES SHALL BE PROVIDED WITH DIFFERENT MINIMUM ADJUSTABLE FLASH INTENSITIES OF 1BCD, 30CD, 1BCD AND 10CD. PROVIDE A LABEL INSIDE THE STROBE LENS TO INDICATE THE LISTED CANDELA RATING OF THE SPECIFIC VISIBLE/ONLY APPLIANCE. WHEN MULTIPLE STROBES AND THEIR REFLECTIONS CAN BE SEEN FROM ONE LOCATION, PROVIDE STROBE FLASH SYNCHRONIZATION. QUANTITY, SPACING AND CANDELA DESIGN REQUIREMENTS OF VISUAL SIGNALS TO COMPLY TO NFPA REQUIREMENTS.
- 2.13 GROUNDING:
- A. PROVIDE SUPPLEMENTARY GROUND BONDING WHERE METALLIC CONDUITS TERMINATE AT METAL CLAD EQUIPMENT (OR AT THE METAL PULL BOX OF EQUIPMENT) FOR WHICH A GROUND BUS IS SPECIFIED WITH A BUSHING OF THE GROUNDING TYPE CONNECTED INDIVIDUALLY TO GROUND BUS.
 - B. GROUND ALL EQUIPMENT IN ACCORDANCE WITH LATEST EDITION OF THE NATIONAL ELECTRICAL CODE. PROVIDE SEPARATE GREEN INSULATED GROUND CONDUCTOR IN EVERY CONDUIT TO ALL DEVICES, LIGHTING FIXTURES AND FEEDERS (PANELBOARDS, DISCONNECT SWITCHES, ETC.)
 - C. ALL GROUND WIRES SHALL BE SUITABLY PROTECTED FROM MECHANICAL INJURY.
 - D. SPECIALTY GROUNDING AS DETAILED ON THE DESIGN DRAWINGS OR REQUESTED AS ELECTRICAL CONTRACTOR SCOPE BY OTHER CONSULTANTS DOCUMENTS.

2.14 SELF-POWERED EXIT SIGNS:

- A. FURNISH AND INSTALL SELF-POWERED EXIT SIGNS COMPLETE WITH INTEGRAL BATTERY/CHARGER CAPABLE OF OPERATING THE SIGN FOR 30 MINUTES IN THE EVENT OF A POWER FAILURE.
 - B. UNIT SHALL HAVE SEALED NICKEL CADMIUM BATTERY, LED ILLUMINATORS, TEST BUTTON AND INDICATING LIGHT.
 - C. BATTERY/CHARGER PACK SHALL BE MOUNTED ABOVE THE SIGN. CEILING MOUNTED SIGNS SHALL BE ARRANGED SO THAT THE PACK IS CONCEALED ABOVE THE CEILING. WALL MOUNTED SIGNS SHALL HAVE CONCEALED BATTERY PACKS.
 - D. EDGE LIT PANEL SHALL HAVE LEGEND "EXIT" IN RED LETTERING, 6" HIGH.
 - E. EXIT SIGNS SHALL MATCH BUILDING STANDARD OR BE MANUFACTURED BY ATLITE. LIGHT ALARMS OR APPROVED EQUAL.
 - F. SINGLE FACE AND DOUBLE FACE EXIT SIGNS SHALL BE PROVIDED WITH MYLAR BACKING.
 - G. ALLOW FOR SIX (6) ADDITIONAL EXIT SIGNS (MATERIAL AND LABOR) PER FLOOR TO BE INSTALLED AS PER BUILDING INSPECTORS REQUIREMENTS UPON FINAL INSPECTION. INCLUDE FOR 30 FEET OF RACEWAY, WIRING AND FINAL CONNECTION TO EMERGENCY LIGHTING CIRCUIT.
- 2.15 CUTTING AND PATCHING:
- A. ALL CUTTING AND PATCHING REQUIRED TO THE EXISTING BUILDING STRUCTURE FOR THE WORK SHALL BE INCLUDED UNDER THIS CONTRACT AND BE ACCEPTABLE TO THE LANDLORD. OBTAIN WRITTEN APPROVAL FROM LANDLORD BEFORE ANY CUTTING IS CARRIED OUT.
 - B. WHERE CONDUITS PASS THROUGH FIRE RATED WALLS OR FLOORS, PROVIDE FIRE STOPPING MATERIAL LISTED WITH, AND BEAR LABEL OF CSA AND ULC, AND MAINTAIN SAME FIRE RATING OF BUILDING COMPONENT PENETRATION.

2.16 MOTORS AND APPARATUS FURNISHED BY OTHERS:

- A. INSTALL ALL WIRING IN CONDUITS, CONNECT CONDUIT TO MOTOR CONDUIT TERMINAL BOXES WITH 1/2" TO 3/4" OF FLEXIBLE CONDUIT FROM END OF CONDUIT TO MOTOR TERMINAL BOX.
- B. PROVIDE CONNECTIONS TO ALL "EXISTING TO BE RELOCATED" AS WELL AS NEW MOTORS, CONTROLLERS, DISCONNECTS, ACTUATING AND CONTROL DEVICES, CONDUCTORS TO MOTORS TO BE THE SAME AS TO CONTROLLERS EXCEPT AS NOTED.
- C. MOTORS, CONTROLLERS, ACTUATING AND CONTROL DEVICES WILL BE SUPPLIED UNDER SECTIONS OF WORK EXCEPT AS NOTED.
- D. ACCEPT DELIVERY OF CONTROLLERS OR RELOCATE EXISTING CONTROLLERS, ERECT ON WALLS OR ABOVE CEILING AS INDICATED AND WIRE UNDER THIS SECTION EXCEPT AS NOTED.
- E. WIRE ALL MOTOR AND ACTUATING DEVICES SUPPLIED AND INSTALLED UNDER OTHER SECTIONS OF WORK EXCEPT AS NOTED.
- F. FURNISH DISCONNECT SWITCHES UNDER THIS SECTION OF WORK EXCEPT AS NOTED.
- G. LEAVE MOTOR CONTROL AND ACTUATING EQUIPMENT READY FOR OPERATION.
- H. ASCERTAIN EXACT LOCATIONS OF CONTROLLERS & CONTROL SERVICES PRIOR TO INSTALLATION AND PULLING WIRE.
- I. COORDINATE WITH ALL OTHER TRADES AND PROVIDE ALL WIRING, CONDUIT, JUNCTION BOXES, DISCONNECTS, CONNECTIONS AND TERMINATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER WIRING AND NECESSARY ELECTRICAL ADJUSTMENTS AS REQUIRED BY THE EQUIPMENT SPECIFICATION.
- J. UNLESS OTHERWISE NOTED, ALL STARTERS AND CONTROL WIRING TO BE PROVIDED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO RECEIVE, INSTALL STARTERS AND PROVIDE ALL LINE-SIDE AND LOAD-SIDE POWER WIRING AND REQUIRED ISOLATING DISCONNECT SWITCHES.
- K. CONFIRM ELECTRICAL REQUIREMENTS AND EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT WITH DIVISION 15 PRIOR TO INSTALLATION

2.17 ACCEPTABLE MANUFACTURERS:

- A. RECEPTACLES: HUBBELL, LEVITON
- B. LIGHT SWITCHES: HUBBELL, LEVITON
- C. DIMMER SWITCHES: LUTRON, LEVITON
- D. RACEWAYS: NATIONAL WIRE PRODUCTS, TRIANGLE OR REPUBLIC
- E. WIRE/CABLE: ROME PHELPS DODGE, GENERAL CABLE, SIMPLEX
- F. METAL CLAD CABLE: AFC
- G. FITTINGS, COUPLINGS, BUSHINGS, CONNECTORS: OZ GEDNEY, BURNDY, NEPCO, THOMAS AND BETTS
- H. DISCONNECT SWITCHES: GE SQUARE "D" OR SIEMENS
- I. RISES: BUSMAN, GOULD SHALMUTT
- J. CIRCUIT BREAKERS: GE, SQUARE "D" OR SIEMENS
- K. PANELBOARDS: GE, SQUARE D, OR SIEMENS MATCH BUILDING STANDARD.
- L. LAMPS: GE, SYLVANIA, PHILLIPS
- M. FLOOR BOXES POKE-THRU'S: HUBBELL, WIREMOLD
- N. OCCUPANCY SENSORS: REFER TO SCHEDULE
- O. TIME CLOCKS: TORK OR APPROVED EQUAL
- P. WIREWAYS: HUBBELL, WIREMOLD

PART 3 EXECUTION

3.01 GENERAL:

- A. PERFORM THE WORK AT SUCH TIME AND IN SUCH MANNER AS TO MINIMIZE INTERFERENCE WITH BUILDING'S NORMAL OPERATION. NOTIFY BUILDING MANAGEMENT REPRESENTATIVES IN ADVANCE EACH TIME A SERVICE OUTAGE OR INTERRUPTION WILL BE REQUIRED FOR THE PERFORMANCE OF SOME PHASE OF THE WORK. SCHEDULE SUCH SERVICE OUTAGE OR INTERRUPTION ONLY AFTER HAVING RECEIVED APPROVAL OF DATE, HOUR, AND TIME INTERVAL REQUIRED THEREOF. SCHEDULE OF WORK AS DIRECTED SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE.
- B. OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RESISTANCE RATED WALLS, PARTITIONS, FLOORS, OR CEILINGS SHALL BE FIRE STOPPED USING APPROVED METHODS. SEALANTS SHALL BE RATED FOR 3 HOURS. TELECOMMUNICATION CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING FIRE STOPPING IN IT' CONDUITS/SLEEVES/PENETRATIONS AFTER IT' WIRES ARE FILLED.
- C. MAINTAIN GROUND CONTINUITY THROUGHOUT ALL SYSTEMS.
- D. MAINTAIN CONTINUITY AND PROTECT ALL EXISTING CIRCUITS TO REMAIN SERVING EQUIPMENT WITHIN BUILDING AREAS AFFECTED BY THE ALTERATION WORK. CONTRACTOR SHALL BE RESPONSIBLE TO TRACE ALL EXISTING CIRCUITS TO REMAIN ORIGINATING FROM PANELBOARDS, AND SUBMIT FINDINGS TO ENGINEER FOR CLARIFICATION PRIOR TO THE START OF ANY PANELBOARD WORK. WHENEVER IT IS REQUIRED THAT AN EXISTING CIRCUIT BE MODIFIED, REVISED, DISCONNECTED OR REMOVED IT SHALL BE UNDERSTOOD THAT THE CIRCUIT SHALL BE RECONNECTED AND SERVICE RE-ESTABLISHED IN THE REMAINING PORTION OF THE CIRCUIT AFFECTED BY THE ALTERNATION.
- E. PRIOR TO ANY CHASING, CHOPPING, OR CORE DRILLING BEING PERFORMED, THE CONTRACTOR SHALL FIELD INVESTIGATE CONDITIONS AND COORDINATE WITH ALL APPROPRIATE TRADES TO ENSURE THAT WORK WILL BE IN HARMONY WITH OTHER WORK AND NOT AFFECTED ANY EXISTING BUILDING SYSTEMS. X-RAY SLABS IF REQUIRED, WORK MUST BE APPROVED BY BUILDING THIS MANAGEMENT PRIOR TO PROCEEDING. ALL CHASING/CHASING WILL BE DONE ON OVERTIME.
- F. FOR TEMPORARY POWER, FURNISH AND INSTALL WIRING FOR ADEQUATE LIGHT AND SMALL TOOLS POWER FOR THE PROJECT. THIS SHALL INCLUDE STRINGERS, LAMPS, OUTLETS, BREAKERS, AND FUSES, AS IT IS NECESSARY. ALL TEMPORARY WIRING SHALL BE REMOVED FROM SPACE AT COMPLETION OF PROJECT.
- G. FURNISH AND INSTALL A MINIMUM 1" EMPTY CONDUIT FOR ALL WALL MOUNTED LOW VOLTAGE EQUIPMENT JUNCTION BOXES. CONDUIT SHALL BE STUBBED 6" ABOVE HUNG CEILING AND TURNED TOWARDS TERMINATION CLOSET ABOVE ACCESSIBLE CEILING AREA.
- H. COORDINATE WITH THE BUILDING OWNER FOR ANY SERVICE INTERRUPTION OF EXISTING SYSTEMS AND GIVE NOTICE AS REQUIRED BY BUILDING RULES AND REGULATIONS OR A MINIMUM OF FIVE (5) DAYS PRIOR TO ANY WORK, WHICHEVER IS MORE STRINGENT. CONTRACTOR IS TO PERFORM WORK ON PREMIUM TIME SO AS TO NOT DISTURB EXISTING TENANTS ON OTHER FLOORS.
- K. WHEN USING TEMPORARY LIGHTING, THE CONTRACTOR SHALL CLEARLY LABEL PANELS AND BREAKERS USED FOR LIGHTING. LOCATION OF PANELS TO BE SHOWN ON FLOOR PLAN POSTED AT ENTRANCE TO WORK AREA. PROPER TEMPORARY LIGHTING AND POWER MUST BE INSTALLED AND MAINTAINED IN ALL WORK AREAS. CONNECTIONS TO EXISTING STAIRWELL AND EXIT LIGHT SYSTEMS ARE NOT PERMITTED.
- L. THE CONTRACTOR SHALL CUT BACK TO THE FLOOR, WALL OR CEILING, REMOVE WIRING AND PLUG BOTH ENDS OF CONCEALED CONDUITS MADE OBSOLETE BY THIS ALTERNATION. EXPOSED CONDUITS, WIREWAYS, OUTLET BOXES, PULL BOXES, HANGERS, ETC. MADE OBSOLETE BY THE ALTERNATION WORK SHALL BE REMOVED, UNLESS OTHERWISE NOTED.
- M. IT IS POSSIBLE THAT THERE WILL BE CERTAIN REMOVALS AND RELOCATIONS OF THE EXISTING ELECTRICAL INSTALLATION NECESSARY FOR THE SATISFACTORY PERFORMANCE OF THE WORK. THESE CHANGES CANNOT BE COMPLETELY DETAILED ON THE DRAWINGS, BUT MUST BE CONSIDERED BY THE CONTRACTOR WHILE REVIEWING THE EXISTING CONDITIONS AT THE SITE AND PREPARING THE PROPOSAL.

3.02 IDENTIFICATION OF EQUIPMENT:

- A. ALL PANELBOARDS, CONTROL PANELS, AND CABINETS SPECIFIED HEREIN SHALL BE CLEARLY IDENTIFIED WITH THE EQUIPMENT DESIGNATION AND VOLTAGE RATING. IDENTIFICATION SHALL BE BY WHITE ON BLACK PLASTIC NAMEPLATE WITH 1/2" MINIMUM LETTERING ATTACHED BY SCREWS.
- B. ALL PANELBOARDS, SPECIFIED HEREIN SHALL BE PROVIDED WITH A MEANS OF IDENTIFICATION OF THE MULTIWIRE BRANCH CIRCUIT COLOR CODE IDENTIFICATION SYSTEM INSTALLED PER THE REQUIREMENTS OF NEC ARTICLE 200.9. REFER TO SPECIFICATION SECTION 2.02.6 FOR COLOR CODING DESIGNATIONS.
- C. JUNCTION BOXES, SPLICE BOXES, ETC. SHALL BE IDENTIFIED WITH PANEL AND CIRCUIT NUMBERS FOR CIRCUITS CONTAINED THEREIN. FACEPLATE OF SWITCHES FOR EQUIPMENT SUCH AS SHALL BE IDENTIFIED WITH THE NAME OF THE DEVICE CONTROLLED. IDENTIFICATION SHALL BE BY INDELIBLE MARKER IN CONCEALED LOCATIONS AND ADHESIVE ("P" TOUCH TYPE) LABELS IN EXPOSED LOCATIONS. EMERGENCY DEVICES SHALL BE IDENTIFIED IN RED.
- D. CLEARLY LABEL ALL EXPOSED CONDUIT, FULLBOXES, JUNCTION BOXES, ETC TO INDICATE THE NATURE OF THE SERVICE.
- E. EMPTY CONDUITS SHALL BE IDENTIFIED WITH TAGS AT BOTH ENDS INDICATING THE LOCATION OF TERMINATION OF THE OPPOSITE END.
- F. FIRE ALARM SYSTEM JUNCTION BOXES SHALL BE PAINTED FIRE DEPARTMENT RED. APPROVED IDENTIFICATION CARDS SHALL BE FURNISHED ADJACENT TO ALL CONTROL PANELS AND MANUAL STATIONS.
- G. ALL RECEPTACLES SHALL HAVE CIRCUIT NUMBERS AND ASSOCIATED PANEL DESIGNATION CLEARLY IDENTIFIED ON THE RECEPTACLES (OR DISCONNECT, JUNCTION BOX, ETC.) FACEPLATE. IDENTIFICATION SHALL BE PERMANENT, INDELIBLE AND TYPEWRITTEN.
- H. PROVIDE SCREW-FASTENED TYPEWRITTEN ENGRAVED LAMICOID NAMEPLATE WITH MINIMUM 1" HIGH WHITE LETTERING ON BLACK BACKGROUND, CLEARLY INDICATING THE FUNCTION, DESIGNATION OR EQUIPMENT CONTROLLED FOR EACH OF THE FOLLOWING:
 1. ALL PANEL AND SWITCH BOARDS
 2. MOTOR STARTERS & MISCELLANEOUS CONTROL SWITCHES
 3. DISCONNECT SWITCHES
 4. ENCLOSED CIRCUIT BREAKERS
 5. CONTACTORS AND RELAYS
 6. CONTROL SWITCHES
- I. PROVIDE NAMEPLATES FOR ALL NEW AND EXISTING EQUIPMENT AS DESCRIBED ABOVE AND/OR DETAILED ON THE ENGINEERING DRAWINGS.
- H. PROVIDE TYPEWRITTEN DIRECTORIES FOR NEW AND EXISTING PANELS. CONFIRM EXISTING IDENTIFICATION AND CORRECT WHERE NECESSARY.

3.03 EXISTING EQUIPMENT REFURBISHMENT:

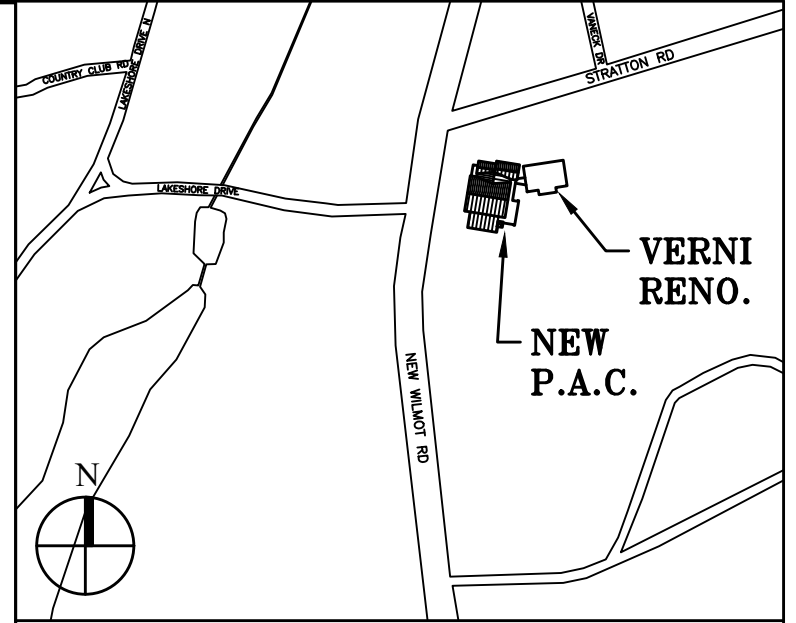
- A. WHERE PANELBOARDS, SWITCHES, CIRCUIT BREAKERS, DISCONNECT SWITCHES, ETC. ARE EXISTING TO BE REUSED THE CONTRACTOR SHALL CLEAN AND REFURBISH THE EQUIPMENT. THIS SHALL INCLUDE TIGHTENING ALL CONNECTIONS, REPLACING DEFECTIVE MECHANISMS, EXERCISING MECHANISMS AND PROVIDING ANY MISCELLANEOUS COMPONENTS SO THE EQUIPMENT IS IN FIRST CLASS WORKING ORDER.
- B. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO FIELD SURVEY ALL EXISTING BASE BUILDING RECEPTACLE, LIGHTING AND EQUIPMENT CIRCUITS WHICH ARE EXISTING TO REMAIN. PROVIDE AS BUILT SURVEY PRIOR TO THE START OF ANY WORK AND SUBMIT TO ENGINEER FOR RECORD. CIRCUITS SHALL REMAIN IN EXISTING PANELS OR WHEN PANELBOARDS ARE REPLACED, RE-TERMINATED IN NEW PANELBOARD.

3.04 LIFE SAFETY TESTING:

- A. AFTER COMPLETION OF THE PROJECT, PERFORM A TEST OF THE EMERGENCY EGRESS LIGHTING SYSTEM. TEST SHALL BE PERFORMED AFTER DARK (AT LEAST 1 HOUR AFTER SUNSET): SIMULATE POWER FAILURE ON ALL LIGHTING CIRCUITS. TAKE LIGHT LEVEL READINGS ALONG PATHS OF EGRESS AT FLOOR LEVEL UTILIZING A FOOT CANDLE METER; RECORD READINGS ON A REDUCED SCALE (1/16"=1'-0") FLOOR PLAN. READINGS SHALL BE TAKEN AT THE MIDPOINT BETWEEN EMERGENCY FIXTURES. SUBMIT SEALED AND SIGNED COPY OF THE FLOOR PLAN READINGS TO THE ENGINEER.

3.05 PROTECTION:

- A. CONTRACTOR SHALL BE RESPONSIBLE FOR WORK & EQUIPMENT UNTIL FINALLY INSPECTED, TESTED AND ACCEPTED. MATERIALS AND EQUIPMENT SHALL BE CAREFULLY STORED WHICH ARE NOT IMMEDIATELY INSTALLED AFTER DELIVERY TO SITE. CLOSE EXPOSED PARTS OF THE WORK WITH TEMPORARY COVERS OR PLUGS DURING CONSTRUCTION TO PREVENT ENTRY OF MOISTURE OR OBSTRUCTING MATERIALS.
- B. PROTECT THE WORK AND MATERIAL OF OTHERS FROM DAMAGE INSTALLED AS PART OF THIS CONTRACT. RESTORE ANY WORK DAMAGED AND BE RESPONSIBLE FOR ALL CURRENT WORK AND ASSOCIATED COSTS.



Key Plan (not to scale)

No.	Date	Revision/Submission
7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	6/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE

STRUCTURAL & SITE CIVIL ENGINEER
 DOMINICK R. PILLA
 ASSOCIATES, P.C.
 143 MAIN STREET
 NYACK, NY 10960
 945-727-7793

MEP ENGINEER
 JMY CONSULTING
 ENGINEERING, P.C.
 37 W. 38 STREET, STE 703
 NEW YORK, NY 10018
 212-652-9855

ROOFING CONSULTANT
 WATSKY ASSOCIATES
 20 MADISON AVENUE
 VALHALLA, NY 10595
 914-945-3450

Stamp

Project Title
**IONA PREPARATORY SCHOOL
 ADDITION AND ALTERATION TO THE
 PAUL VERNI FINE ARTS CENTER**

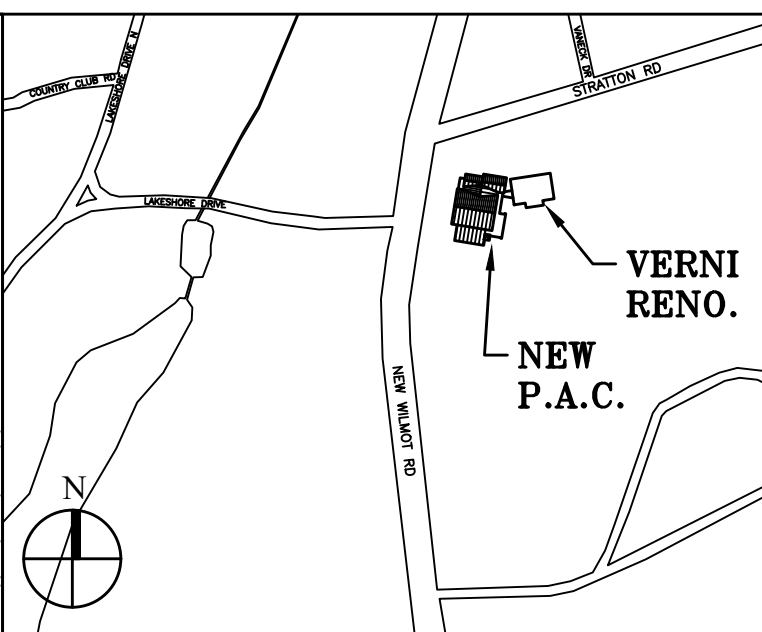
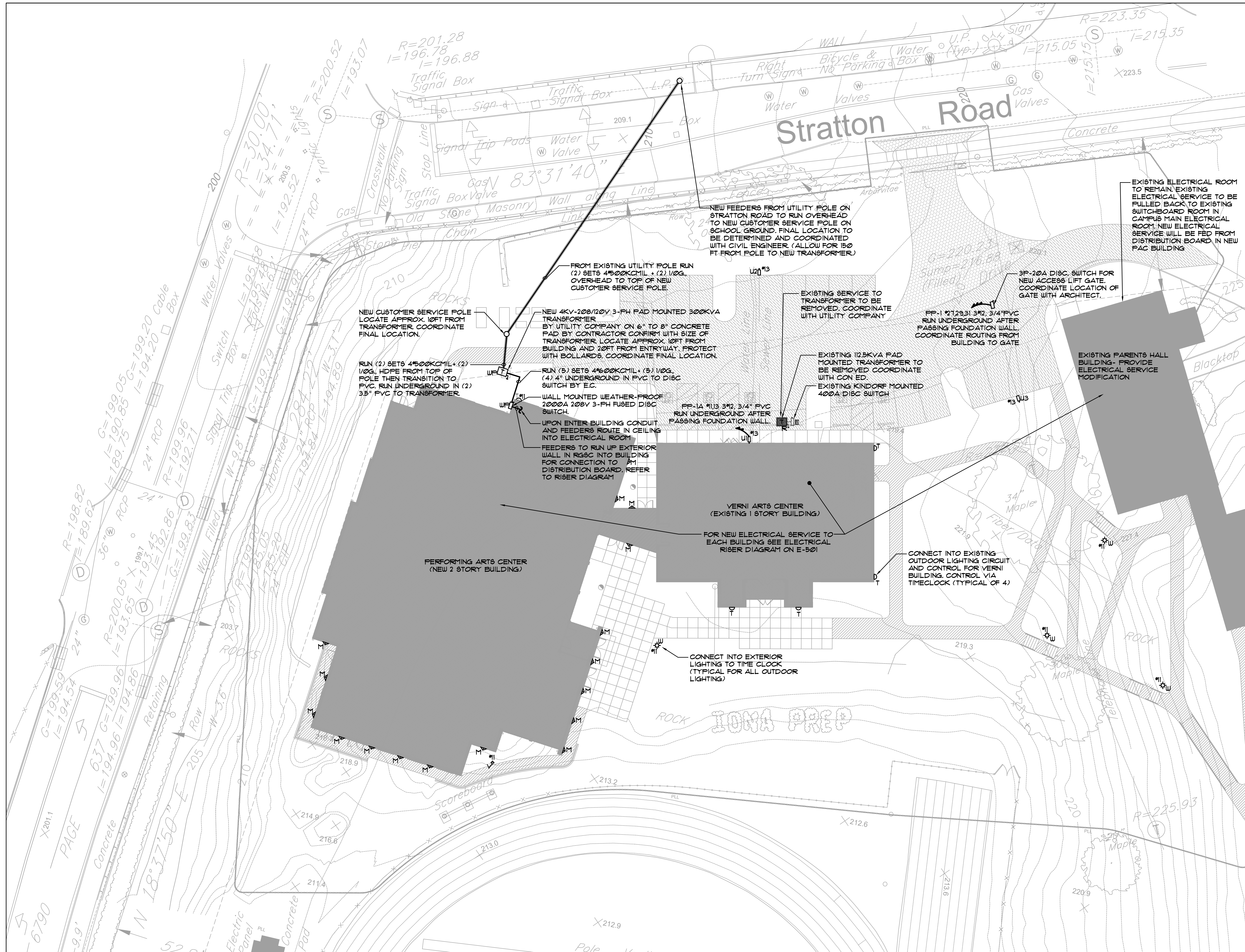
Project Address
**IONA PREPARATORY SCHOOL
 255 Wilmot Road
 New Rochelle, NY 10804**

Drawing Title
**ELECTRICAL
 SPECIFICATIONS III**

Scale	Job No.	Date	Drawing No.
NTS	1618	04/03/2019	E-104
Drawn			

Peter Gisolfi Associates
 Architects Landscape Architects, LLP
 586 Warburton Avenue
 Hastings on Hudson, NY 10706
 914 478 3677

PETER GISOLFI ASSOCIATES



Key Plan (not to scale)

EXISTING ELECTRICAL ROOM TO REMAIN. EXISTING ELECTRICAL SERVICE TO BE PULLED BACK TO EXISTING SWITCHBOARD ROOM IN CAMPUS MAIN ELECTRICAL ROOM. NEW ELECTRICAL SERVICE WILL BE FED FROM DISTRIBUTION BOARD IN NEW PAC BUILDING

EXISTING SERVICE TO TRANSFORMER TO BE REMOVED. COORDINATE WITH UTILITY COMPANY

EXISTING 112.5KVA PAD MOUNTED TRANSFORMER TO BE REMOVED. COORDINATE WITH CON ED.

EXISTING KINDORF MOUNTED 400A DISC SWITCH

EXISTING PARENTS HALL BUILDING. PROVIDE ELECTRICAL SERVICE MODIFICATION

CONNECT INTO EXISTING OUTDOOR LIGHTING CIRCUIT AND CONTROL FOR VERNI BUILDING. CONTROL VIA TIMECLOCK (TYPICAL OF 4)

CONNECT INTO EXISTING OUTDOOR LIGHTING TO TIME CLOCK (TYPICAL FOR ALL OUTDOOR LIGHTING)

NEW FEEDERS FROM UTILITY POLE ON STRATTON ROAD TO RUN OVERHEAD TO NEW CUSTOMER SERVICE POLE ON SCHOOL GROUND. FINAL LOCATION TO BE DETERMINED AND COORDINATED WITH CIVIL ENGINEER. (ALLOW FOR 150 FT. FROM POLE TO NEW TRANSFORMER)

FROM EXISTING UTILITY POLE RUN (2) SETS 4500KCMIL + (2) 1/0G. OVERHEAD TO TOP OF NEW CUSTOMER SERVICE POLE.

NEW CUSTOMER SERVICE POLE LOCATE APPROX. 10FT FROM TRANSFORMER. COORDINATE FINAL LOCATION.

NEW 4KV-208/120V 3-PH PAD MOUNTED 300KVA TRANSFORMER BY UTILITY COMPANY ON 6" TO 8" CONCRETE PAD BY CONTRACTOR. CONFIRM WITH SIZE OF TRANSFORMER. LOCATE APPROX. 10FT FROM BUILDING AND 20FT FROM ENTRYWAY. PROTECT WITH BOLLARDS. COORDINATE FINAL LOCATION.

RUN (5) SETS 4500KCMIL + (5) 1/0G. (4) 4" UNDERGROUND IN PVC TO DISC SWITCH BY E.C.

WALL MOUNTED WEATHER-PROOF 2000A 208V 3-PH FUSED DISC SWITCH.

UPON ENTER BUILDING CONDUIT AND FEEDERS ROUTE IN CEILING INTO ELECTRICAL ROOM.

FEEDERS TO RUN UP EXTERIOR WALL IN RSC INTO BUILDING FOR CONNECTION TO DISTRIBUTION BOARD. REFER TO RISER DIAGRAM

RUN (2) SETS 4500KCMIL + (2) 1/0G. HDPE FROM TOP OF POLE THEN TRANSITION TO PVC. RUN UNDERGROUND IN (2) 3.5" PVC TO TRANSFORMER.

3P-20A DISC. SWITCH FOR NEW ACCESS LIFT GATE. COORDINATE LOCATION OF GATE WITH ARCHITECT.

FP-1 #2129.31 3/4" 3/4" PVC RUN UNDERGROUND AFTER PASSING FOUNDATION WALL. COORDINATE ROUTING FROM BUILDING TO GATE

FP-1A #113 3/4" 3/4" PVC RUN UNDERGROUND AFTER PASSING FOUNDATION WALL.

EXISTING KINDORF MOUNTED 400A DISC SWITCH

No.	Date	Revision/Submission
7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE

STRUCTURAL & SITE CIVIL ENGINEER
 DOMINICK R PILLA
 ASSOCIATES, P.C.
 145 MAIN STREET
 NYACK, NY 10960
 845-727-7793

MEP ENGINEER
 JMV CONSULTING
 ENGINEERING, P.C.
 37 W. 58 STREET, STE 703
 NEW YORK, NY 10019
 212-652-9855

ROOFING CONSULTANT
 WATSKY ASSOCIATES
 20 MADISON AVENUE
 VALHALLA, NY 10595
 914-945-3450

Stamp

Project Title
 IONA PREPARATORY SCHOOL
 ADDITION AND ALTERATION TO THE
 PAUL VERNI FINE ARTS CENTER

Project Address
 IONA PREPARATORY SCHOOL
 255 Wilmot Road
 New Rochelle, NY 10804

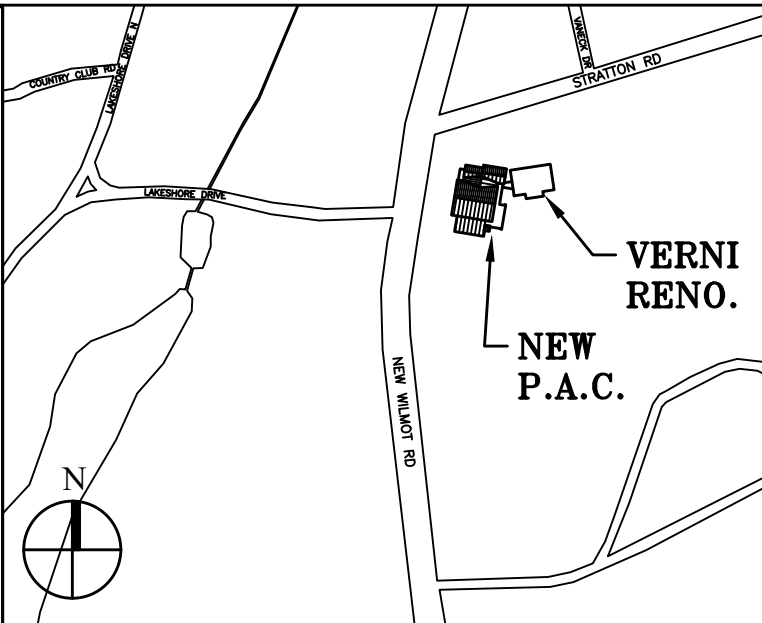
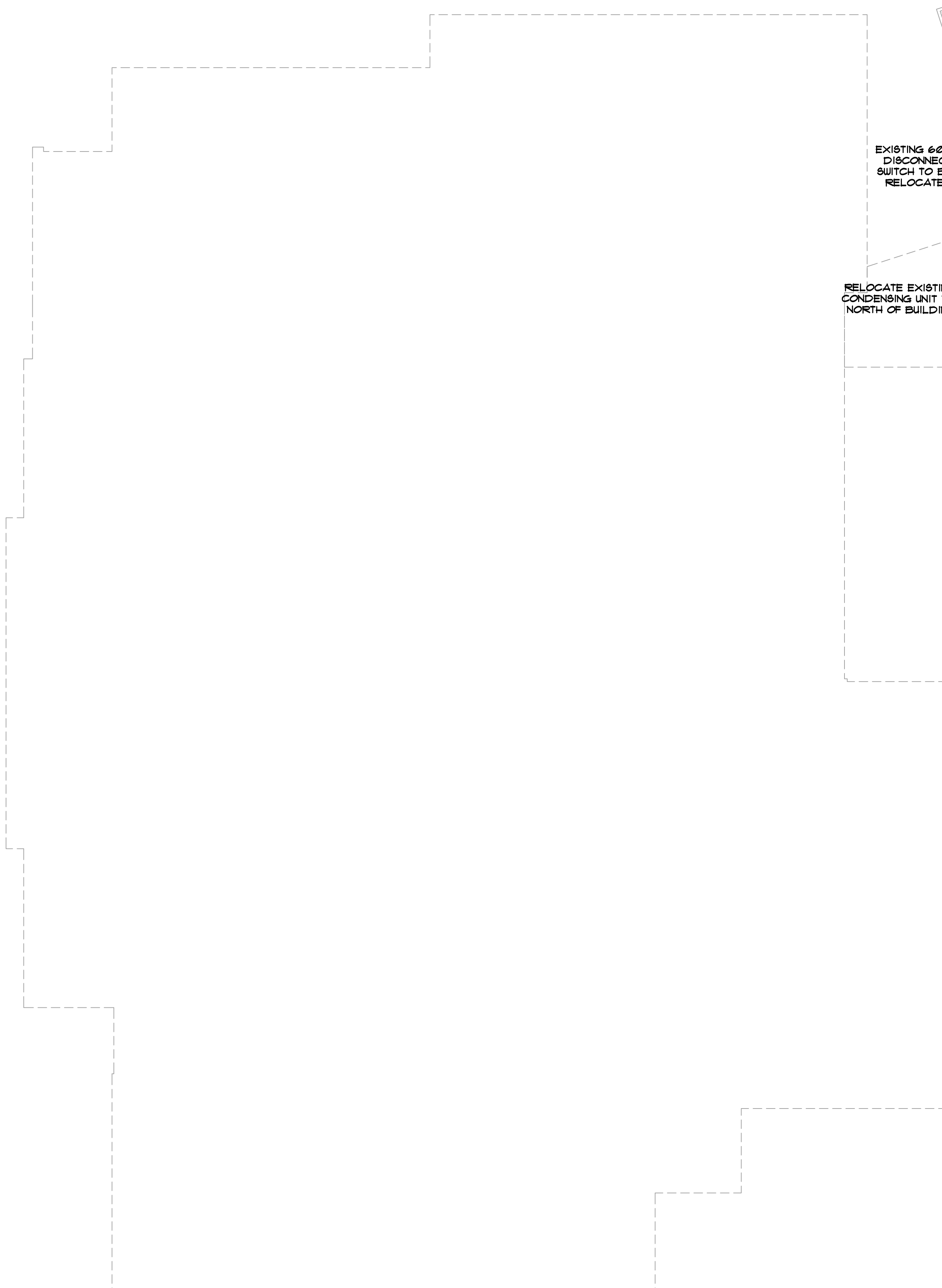
Drawing Title
 ELECTRICAL SITE PLAN

Scale	Job No.	Date	Drawing No.
1/16"=1'-0"	1618	04/03/2019	E-105

Drawn

Peter Gisolfi Associates
 Architects Landscape Architects, LLP
 586 Warburton Avenue
 Hastings on Hudson, NY 10706
 914 478 3677

PETER GISOLFI ASSOCIATES



Key Plan (not to scale)

- DEMOLITION NOTES**
1. PRIOR TO SUBMISSION OF THE BID, THIS CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS TO DETERMINE THEIR IMPACT ON THE EXECUTION OF WORK IN THIS CONTRACT.
 2. THE DEMOLITION WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, ANY AND ALL MATERIALS, CONNECTIONS, EXTENSIONS, CUTTING, REPAIRING & OTHER ELECTRICAL WORK, TEMPORARY OR PERMANENT, THAT MAY BE REQUIRED TO MAINTAIN SERVICE THROUGH THE COMPLETION OF THIS PROJECT. COORDINATE THE EXTENT OF THE DEMOLITION WORK WITH THE ARCHITECT.
 3. EXISTING FEEDERS AND BRANCH CIRCUITING PASSING THROUGH THE AREA OF DEMOLITION AND SERVING OCCUPIED ADJACENT AREAS AND/OR INTERFERING WITH THE NEW WORK SHALL BE TRACED AND RELOCATED BY THIS CONTRACTOR. ALL NECESSARY SHUTDOWNS REQUIRED TO PERFORM THIS WORK SHALL BE COORDINATED WITH THE BUILDING MANAGEMENT.
 4. WIRING, CONDUITS, AND SUPPORTS FOR FEEDERS AND BRANCH CIRCUITING SHALL BE REMOVED TO THEIR PANEL OF ORIGIN.
 5. MAINTAIN THE CONTINUITY OF EXISTING BRANCH CIRCUITING SERVING REMAINING ELECTRICAL DEVICES OUTSIDE THE SCOPE OF WORK WHERE PORTIONS OF EXISTING BRANCH CIRCUITING ARE BEING REMOVED.
 6. IDENTIFY AS SPARE ANY PROTECTIVE DEVICE IN EXISTING PANELS THAT ARE MADE SPARE DUE TO DEMOLITION. PANEL DIRECTORIES SHALL BE UPDATED ACCORDINGLY.
 7. UNLESS OTHERWISE NOTED, REMOVE ALL POWER AND COMMUNICATIONS OUTLETS AND DEVICES COMPLETE WITH WIRING, RACEWAYS AND BACK BOXES IN AREA OF DEMOLITION.
 8. ALL LIGHTING FIXTURES, SWITCHES AND ASSOCIATED WIRING & CONDUIT IN AREA OF DEMOLITION SHALL BE REMOVED UNLESS OTHERWISE NOTED.
 9. EXISTING BASE BUILDING FIRE ALARM SYSTEM DEVICES ARE TO REMAIN & KEPT OPERATIONAL DURING ALL STAGES OF THE PROJECT. ALL DEVICES SHALL BE PROPERLY PROTECTED.

7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE

No.	Date	Revision/Submision
STRUCTURAL & SITE CIVIL ENGINEER		
DOMINICK R PILLA ASSOCIATES, P.C. 145 MAIN STREET NYACK, NY 10960 845-727-7793		
MEP ENGINEER		ROOFING CONSULTANT
JMV CONSULTING ENGINEERING, P.C. 37 W. 39 STREET, STE 703 NEW YORK, NY 10018 212-652-9855		WATSKY ASSOCIATES 20 MADISON AVENUE VALHALLA, NY 10595 914-948-3450

Stamp

Project Title
**IONA PREPARATORY SCHOOL
 ADDITION AND ALTERATION TO THE
 PAUL VERNI FINE ARTS CENTER**

Project Address
**IONA PREPARATORY SCHOOL
 255 Wilmot Road
 New Rochelle, NY 10804**

Drawing Title
**FIRST FLOOR ELECTRICAL
 DEMOLITION PLAN**

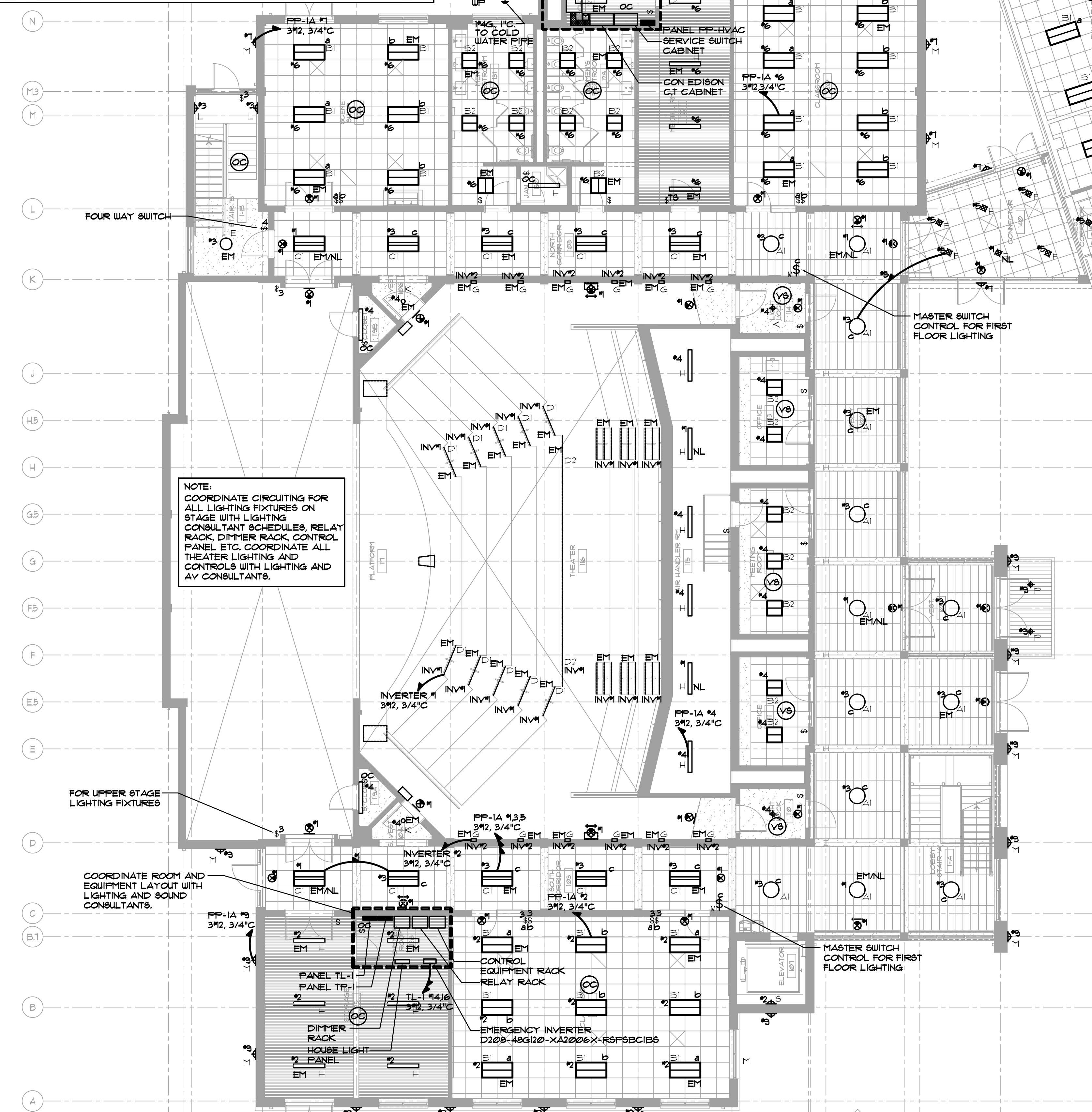
Scale	Job No.	Date	Drawing No.
1/8"=1'-0"	1618	04/03/2019	E-201

Drawn

Peter Gisolfi Associates
 Architects Landscape Architects, LLP
 586 Warburton Avenue
 Hastings on Hudson, NY 10706
 914 478 3677
PETER GISOLFI ASSOCIATES

LIGHTING PLAN NOTES:

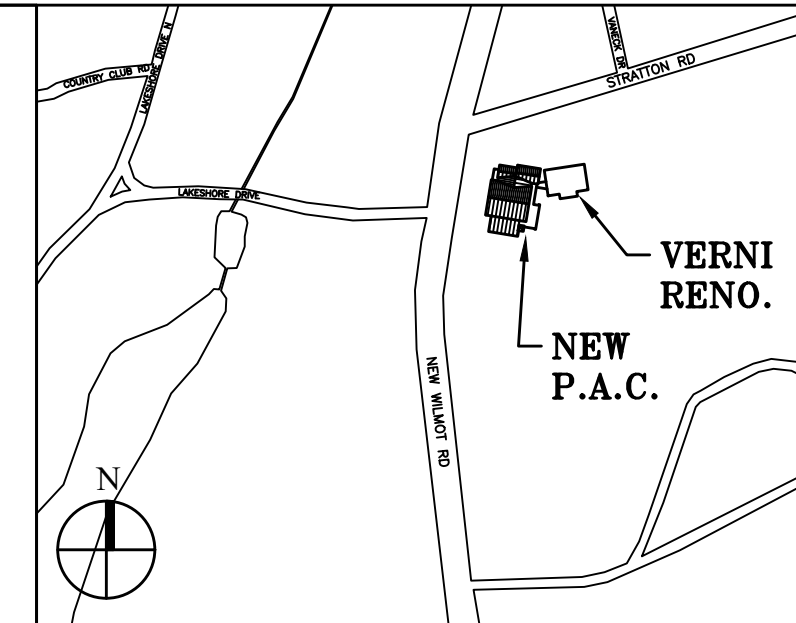
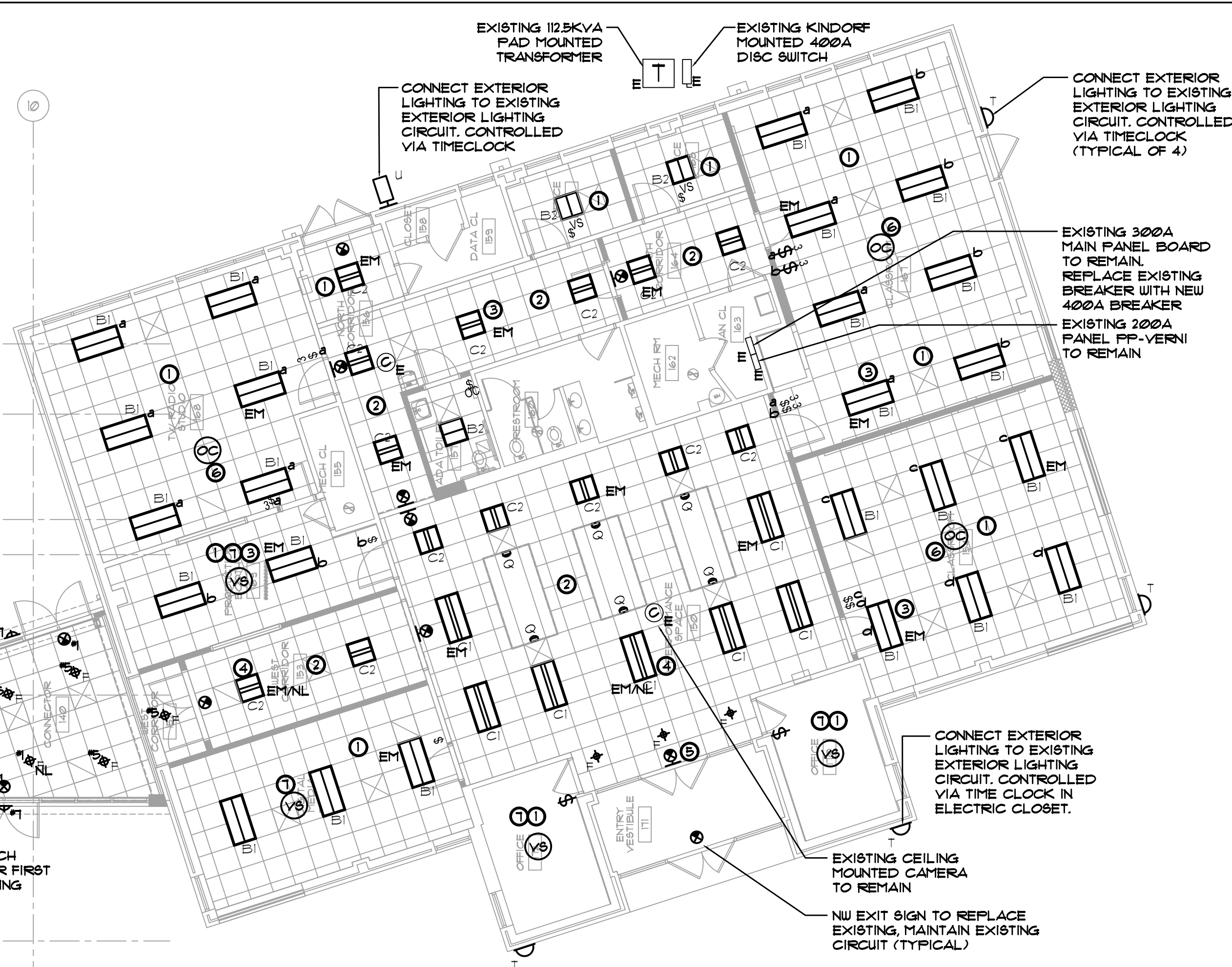
- 1 NEW LIGHT FIXTURES TO BE INSTALLED IN ROOMS, CONNECT TO EXISTING LIGHTING CIRCUIT. PROVIDE NEW SWITCH CONTROL AS SHOWN ON PLAN. CONTRACTOR TO TRACE AND FIELD VERIFY EXISTING CIRCUIT AND PANEL.
- 2 NEW LIGHT LIGHT FIXTURES IN HALLWAY TO BE INSTALLED, CONNECT INTO EXISTING HALL LIGHT CIRCUIT. CONTRACTOR TO TRACE AND FIELD VERIFY EXISTING CIRCUIT AND PANEL.
- 3 LIGHT FIXTURES LABELED EM TO BE PROVIDED WITH AN INTEGRAL BATTERY BACKUP PACK. CONTRACTOR TO TRACE AND FIELD VERIFY EXISTING CIRCUIT AND PANEL.
- 4 FIXTURES LABEL EM/NL SHALL BE CONNECTED INTO EXISTING EXIT LIGHT CIRCUIT. CONTRACTOR TO TRACE AND FIELD VERIFY CIRCUIT AND PANEL.
- 5 NEW EXIT LIGHT, CONNECT INTO EXISTING EXIT LIGHT CIRCUIT. CONTRACTOR TO TRACE AND FIELD VERIFY CIRCUIT AND PANEL.
- 6 PROVIDE AND INSTALL NEW OCCUPANCY SENSOR.
- 7 PROVIDE AND INSTALL NEW VACANCY SENSOR.



NOTE:
COORDINATE CIRCUITING FOR ALL LIGHTING FIXTURES ON STAGE WITH LIGHTING CONSULTANT SCHEDULES, RELAY RACK DIMMER RACK, CONTROL PANEL ETC. COORDINATE ALL THEATER LIGHTING AND CONTROLS WITH LIGHTING AND AV CONSULTANTS.

LIGHTING FIXTURE NOTES:

- 1 REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION, QUANTITIES, TYPES, AND MOUNTING HEIGHTS OF LIGHT FIXTURES, EXIT SIGNS, SWITCHES, DIMMERS, ETC.
- 2 PRIOR TO ORDERING LIGHTING FIXTURES, COORDINATE WITH ARCHITECTURAL AND ENGINEERING INFORMATION, OBTAIN CLARIFICATION OF ANY QUESTIONS PRIOR TO PROCEEDING.
- 3 ALL SWITCH TYPES AND FINISH TO BE COORDINATE WITH ARCHITECT AND LIGHTING CONSULTANT.
- 4 ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL NEW LIGHT FIXTURES AS INDICATED AND INSTALL NEW SWITCHES, DIMMERS, ETC. FOR CONTROL OF LIGHT FIXTURES AS SHOWN ON ARCHITECTURAL DRAWINGS. VERIFY AND COORDINATE SWITCHING CONTROL WITH ARCHITECT AND LIGHTING CONSULTANT.
- 5 LIGHTING FIXTURES SHALL BE CIRCUITED IN ACCORDANCE WITH CIRCUIT NUMBER INDICATED ADJACENT TO EACH LIGHTING FIXTURE. CIRCUITRY MAY BE SHOWN IN CERTAIN INSTANCES AND ONLY UNDER SPECIAL CIRCUMSTANCES. PROVIDE ALL CONDUITS, WIRES AND BOXES AS WELL AS CEILING OUTLETS AND FIXTURES WHIPS REQUIRED FOR CIRCUITRY INCLUDING WIRING FOR SWITCHING OF THE FIXTURES.
- 6 CIRCUIT NUMBERS ARE FOR CONTRACTOR'S REFERENCE ONLY AND MAY NOT NECESSARILY REFLECT THE EXACT CIRCUIT ARRANGEMENT IN PANELS. CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD TO BALANCE THE CIRCUITRY EVENLY ON ALL PHASES ON EACH PANEL. FINAL CIRCUIT NUMBERS AND ARRANGEMENT MUST BE INDICATED ON AS-BUILT DRAWINGS AS PER SPECIFICATIONS.
- 7 ALL LIGHTING FIXTURES SHALL BE PROVIDED WITH A DEDICATED NEUTRAL OR AN OVERSIZED NEUTRAL WHEN SHARED. CIRCUIT FOR EMERGENCY LIGHTING AND EXIT LIGHT SHALL BE INSTALLED IN SEPARATE CONDUITS FROM NORMAL LIGHTING CIRCUITS. PROVIDE TIE BARS ON ALL SINGLE PHASE CIRCUIT BREAKERS SERVING MULTI-WIRE BRANCH CIRCUITS IN COMPLIANCE WITH NEC ARTICLE 210.4(B).
- 8 ALL LIGHTING BRANCH CIRCUITS SERVING DIMMABLE FIXTURES SHALL HAVE SEPARATE NEUTRAL CONDUCTORS.
- 9 SEPARATELY MOUNTED OUTLET BOXES AND FLEXIBLE CONDUIT PIGTAIL CONNECTIONS SHALL BE PROVIDED FOR LIGHTING FIXTURES RECESSED IN HUNG CEILING. IN ACCESSIBLE TILE HUNG CEILING AREAS, A SINGLE OUTLET BOX MAY SERVE UP TO A MAXIMUM OF FOUR (4) LIGHTING FIXTURES USING FLEXIBLE CONDUIT PIGTAIL CONNECTIONS WITH A MAXIMUM LENGTH OF 6'-0".
- 10 PROVIDE AN OUTLET BOX FOR A MINIMUM OF TWO ADJACENT LIGHT FIXTURES. FLEXIBLE CONDUIT FROM OUTLET BOX TO FIXTURES SHALL NOT EXCEED 6'-0" IN LENGTH.
- 11 ALL JUNCTION OR OUTLET BOXES IN CONCEALED CEILING SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER PROVIDE TO THE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
- 12 WHERE MULTIPLE SWITCHES ARE GROUPED TOGETHER AT ONE LOCATION, THEY SHALL BE MOUNTED IN A SINGLE OUTLET BOX WITH A COMMON FACEPLATE. BUTTED OUTLET BOXES AND SWITCHPLATES ARE NOT PERMITTED. PROVIDE DIVIDER FOR SEPARATION OF SERVICE.
- 13 ALL EXIT SIGNS SHALL BE EQUIPPED WITH AN EMERGENCY BATTERY PACK WITH 90 MINUTES OF BACK-UP, LED INDICATION AND PUSH TO TEST BUTTON.
- 14 ALL LIGHTING FIXTURES OUTSIDE OF THEATER AREA DESIGNATED WITH 'EM' SHALL BE PROVIDED WITH INTEGRAL EMERGENCY BATTERY PACK. EMERGENCY LIGHTING / EXIT SIGN CIRCUITS SHALL BE RUN IN SEPARATE CONDUITS THAN NORMAL LIGHTING CIRCUITS.
- 15 THEATER LIGHTING DESIGNATED AS (INV) SHALL BE CONNECTED TO 48KV A AT 208V SINGLE PHASE EMERGENCY LIGHTING INVERTER WITH 6 IP-20A OUTPUT CIRCUIT BREAKERS. ON/OFF CONTROL SHALL NOT CAUSE INVERTER CIRCUIT TO ENERGIZE.
- 16 ALL OPEN AREA AND CORRIDOR LIGHTING SHALL BE CONTROLLED WITH LIGHTING CONTACTOR AND TIME CLOCK.
- 17 COORDINATE/REFER TO WIRING DIAGRAM ON DRAWING E-403. COORDINATE WITH THEATER CONSULTANT DESIGN DRAWINGS FOR SCHEDULING AND CONTROL OF THEATER LIGHT FIXTURES.
- 18 ALL THEATER LIGHTING SHALL BE COORDINATED AND CONNECTED THROUGH RELAY RACK AND DIMMER RACK. COORDINATE ALL ZONING AND CONTROL WITH VENDOR ETC.



Key Plan (not to scale)

No.	Date	Revision/Submittal
7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE

STRUCTURAL & SITE CIVIL ENGINEER
 DOMINICK R. PILLA
 ASSOCIATES, P.C.
 143 MAIN STREET
 NYACK, NY 10960
 845-727-7793

MEP ENGINEER
 JMV CONSULTING
 ENGINEERING, P.C.
 37 W. 38 STREET, STE 703
 NEW YORK, NY 10018
 212-652-9855

ROOFING CONSULTANT
 WATSKY ASSOCIATES
 20 MADISON AVENUE
 VALHALLA, NY 10595
 914-945-3450

Project Title
**IONA PREPARATORY SCHOOL
 ADDITION AND ALTERATION TO THE
 PAUL VERNI FINE ARTS CENTER**

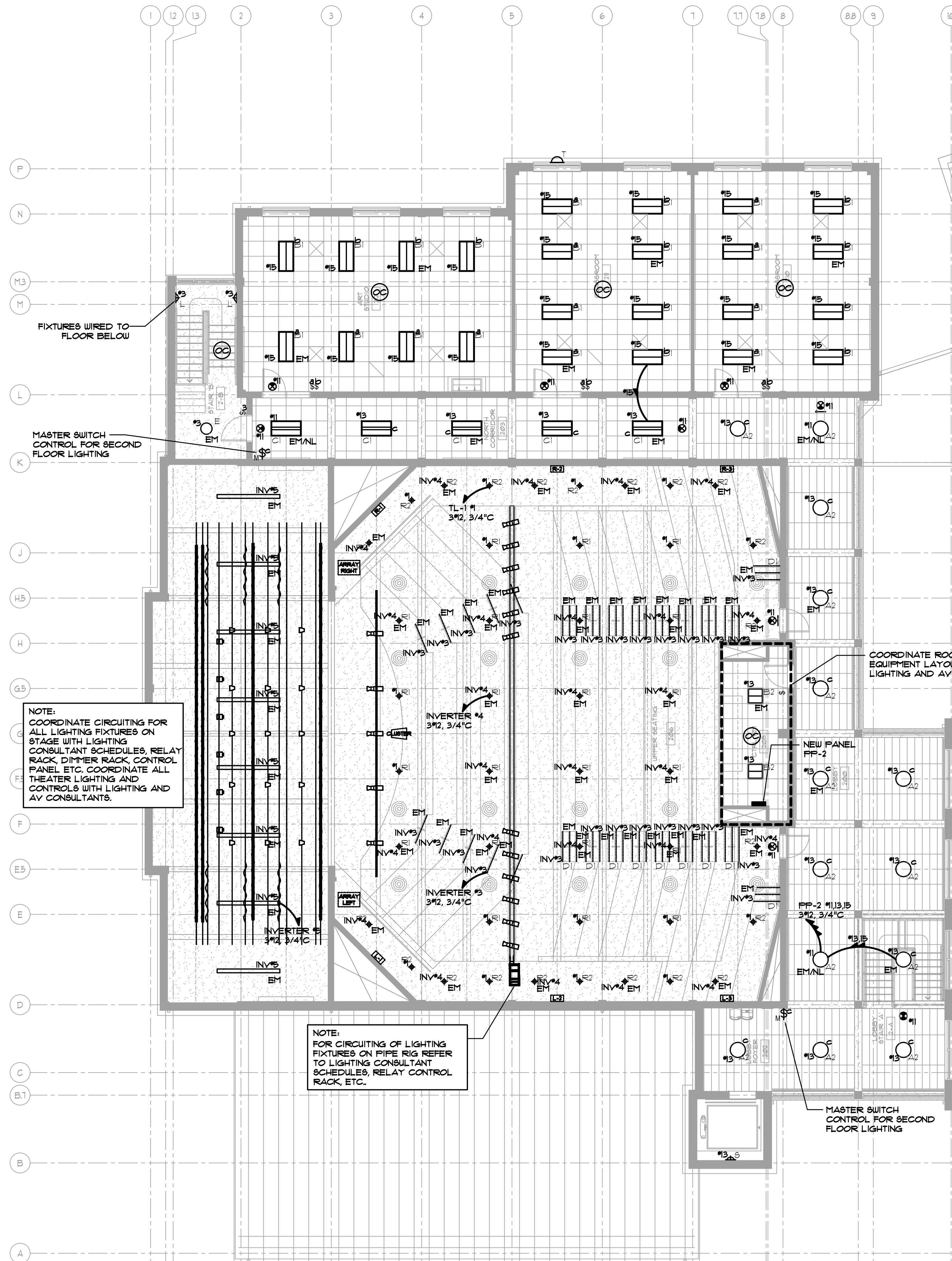
Project Address
**IONA PREPARATORY SCHOOL
 255 Wilmot Road
 New Rochelle, NY 10804**

Drawing Title
**FIRST FLOOR ELECTRICAL
 LIGHTING PLAN**

Scale	Job No.	Date	Drawing No.
1/8"=1'-0"	1618	04/03/2019	E-301

Peter Gisolfi Associates
 Architects Landscape Architects, LLP
 586 Warburton Avenue
 Hastings on Hudson, NY 10706
 914 478 3677

PETER GISOLFI ASSOCIATES



FIXTURES WIRED TO FLOOR BELOW

MASTER SWITCH CONTROL FOR SECOND FLOOR LIGHTING

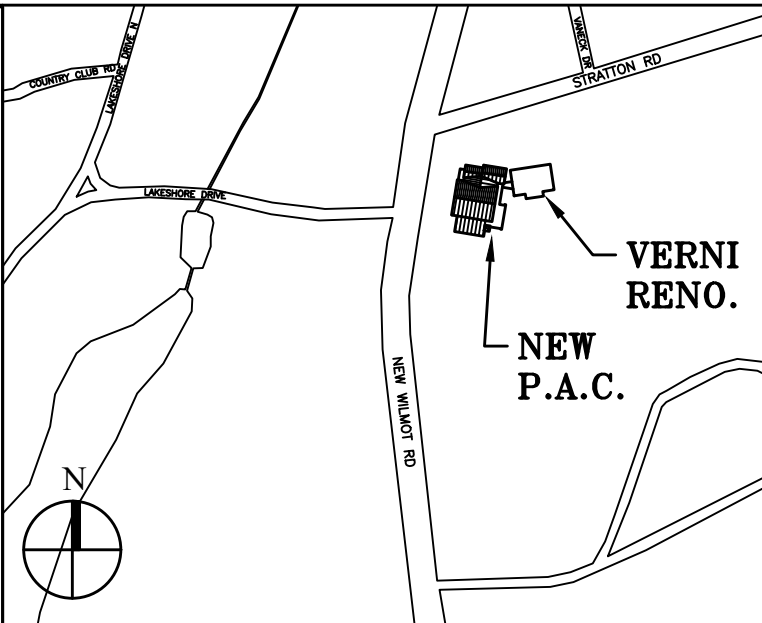
NOTE:
COORDINATE CIRCUITING FOR ALL LIGHTING FIXTURES ON STAGE WITH LIGHTING CONSULTANT SCHEDULES, RELAY RACK, DIMMER SCHEDULE, CONTROL PANEL ETC. COORDINATE ALL THEATER LIGHTING AND CONTROLS WITH LIGHTING AND AV CONSULTANTS.

NOTE:
FOR CIRCUITING OF LIGHTING FIXTURES ON PIPE RIG REFER TO LIGHTING CONSULTANT SCHEDULES, RELAY CONTROL RACK, ETC.

MASTER SWITCH CONTROL FOR SECOND FLOOR LIGHTING

COORDINATE ROOM AND EQUIPMENT LAYOUTS WITH LIGHTING AND AV CONSULTANT

- LIGHTING FIXTURE NOTES:**
- REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION, QUANTITIES, TYPES, AND MOUNTING HEIGHTS OF LIGHT FIXTURES, EXIT SIGNS, SWITCHES, DIMMERS, ETC.
 - PRIOR TO ORDERING LIGHTING FIXTURES, COORDINATE WITH ARCHITECTURAL AND ENGINEERING INFORMATION, OBTAIN CLARIFICATION OF ANY QUESTIONS PRIOR TO PROCEEDING.
 - ALL SWITCH TYPES AND FINISH TO BE COORDINATE WITH ARCHITECT AND LIGHTING CONSULTANT.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL NEW LIGHT FIXTURES AS INDICATED AND INSTALL NEW SWITCHES, DIMMERS, ETC. FOR CONTROL OF LIGHT FIXTURES AS SHOWN ON ARCHITECTURAL DRAWINGS. VERIFY AND COORDINATE SWITCHING CONTROL WITH ARCHITECT AND LIGHTING CONSULTANT.
 - LIGHTING FIXTURES SHALL BE CIRCUITED IN ACCORDANCE WITH CIRCUIT NUMBER INDICATED ADJACENT TO EACH LIGHTING FIXTURE. CIRCUITRY MAY BE SHOWN IN CERTAIN INSTANCES AND ONLY UNDER SPECIAL CIRCUMSTANCES. PROVIDE ALL CONDUITS, WIRES AND BOXES AS WELL AS CEILING OUTLETS AND FIXTURES WHIPS REQUIRED FOR CIRCUITRY INCLUDING WIRING FOR SWITCHING OF THE FIXTURES.
 - CIRCUIT NUMBERS ARE FOR CONTRACTOR'S REFERENCE ONLY AND MAY NOT NECESSARILY REFLECT THE EXACT CIRCUIT ARRANGEMENT IN PANELS. CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD TO BALANCE THE CIRCUITRY EVENLY ON ALL PHASES ON EACH PANEL. FINAL CIRCUIT NUMBERS AND ARRANGEMENT MUST BE INDICATED ON AS-BUILT DRAWINGS AS PER SPECIFICATIONS.
 - ALL LIGHTING FIXTURES SHALL BE PROVIDED WITH A DEDICATED NEUTRAL OR AN OVERSIZED NEUTRAL WHEN SHARED. CIRCUIT FOR EMERGENCY LIGHTING AND EXIT LIGHT SHALL BE INSTALLED IN SEPARATE CONDUITS FROM NORMAL LIGHTING CIRCUITS. PROVIDE TIE BARS ON ALL SINGLE PHASE CIRCUIT BREAKERS SERVING MULTI-WIRE BRANCH CIRCUITS IN COMPLIANCE WITH NEC ARTICLE 210.4(B).
 - ALL LIGHTING BRANCH CIRCUITS SERVING DIMMABLE FIXTURES SHALL HAVE SEPARATE NEUTRAL CONDUCTORS.
 - SEPARATELY MOUNTED OUTLET BOXES AND FLEXIBLE CONDUIT PIGTAIL CONNECTIONS SHALL BE PROVIDED FOR LIGHTING FIXTURES RECEIVED IN HUNG CEILING. IN ACCESSIBLE TILE HUNG CEILING AREAS, A SINGLE OUTLET BOX MAY SERVE UP TO A MAXIMUM OF FOUR (4) LIGHTING FIXTURES USING FLEXIBLE CONDUIT PIGTAIL CONNECTIONS WITH A MAXIMUM LENGTH OF 6'-0".
 - PROVIDE AN OUTLET BOX FOR A MINIMUM OF TWO ADJACENT LIGHT FIXTURES. FLEXIBLE CONDUIT FROM OUTLET BOX TO FIXTURES SHALL NOT EXCEED 6'-0" IN LENGTH.
 - ALL JUNCTION OR OUTLET BOXES IN CONCEALED CEILING SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER PROVIDE TO THE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
 - WHERE MULTIPLE SWITCHES ARE GROUPED TOGETHER AT ONE LOCATION, THEY SHALL BE MOUNTED IN A SINGLE OUTLET BOX WITH A COMMON FACEPLATE. BUTTED OUTLET BOXES AND SWITCHPLATES ARE NOT PERMITTED. PROVIDE DIVIDER FOR SEPARATION OF SERVICE.
 - ALL EXIT SIGNS SHALL BE EQUIPPED WITH AN EMERGENCY BATTERY PACK WITH 90 MINUTES OF BACK-UP, LED INDICATION AND PUSH TO TEST BUTTON.
 - ALL LIGHTING FIXTURES OUTSIDE OF THEATER AREA DESIGNATED WITH 'EM' SHALL BE PROVIDED WITH INTEGRAL EMERGENCY BATTERY PACK. EMERGENCY LIGHTING / EXIT SIGN CIRCUITS SHALL BE RUN IN SEPARATE CONDUITS THAN NORMAL LIGHTING CIRCUITS.
 - THEATER LIGHTING DESIGNATED AS (INV) SHALL BE CONNECTED TO 4.8KVVA AT 208V SINGLE PHASE EMERGENCY LIGHTING INVERTER WITH 6 IP-20A OUTPUT CIRCUIT BREAKERS. ON/OFF CONTROL SHALL NOT CAUSE INVERTER CIRCUIT TO ENERGIZE.
 - ALL OPEN AREA AND CORRIDOR LIGHTING SHALL BE CONTROLLED WITH LIGHTING CONTACTOR AND TIME CLOCK.
 - COORDINATE/REFER TO WIRING DIAGRAM ON DRAWING E-403. COORDINATE WITH THEATER CONSULTANT DESIGN DRAWINGS FOR SCHEDULING AND CONTROL OF THEATER LIGHT FIXTURES.
 - ALL THEATER LIGHTING SHALL BE COORDINATED AND CONNECTED THROUGH RELAY RACK AND DIMMER RACK. COORDINATE ALL ZONING AND CONTROL WITH VENDOR ETC.



Key Plan (not to scale)

No.	Date	Revision/Submission
7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE

STRUCTURAL & SITE CIVIL ENGINEER
DOMINICK R PILLA ASSOCIATES, P.C.
143 MAIN STREET
NYACK, NY 10960
845-727-7793

MEP ENGINEER
JMV CONSULTING ENGINEERING, P.C.
37 W. 58 STREET, STE 703
NEW YORK, NY 10019
212-652-9855

ROOFING CONSULTANT
WATSKY ASSOCIATES
20 MADISON AVENUE
VALHALLA, NY 10595
914-945-3450

Stamp

Project Title
**IONA PREPARATORY SCHOOL
ADDITION AND ALTERATION TO THE
PAUL VERNI FINE ARTS CENTER**

Project Address
**IONA PREPARATORY SCHOOL
255 Wilmot Road
New Rochelle, NY 10804**

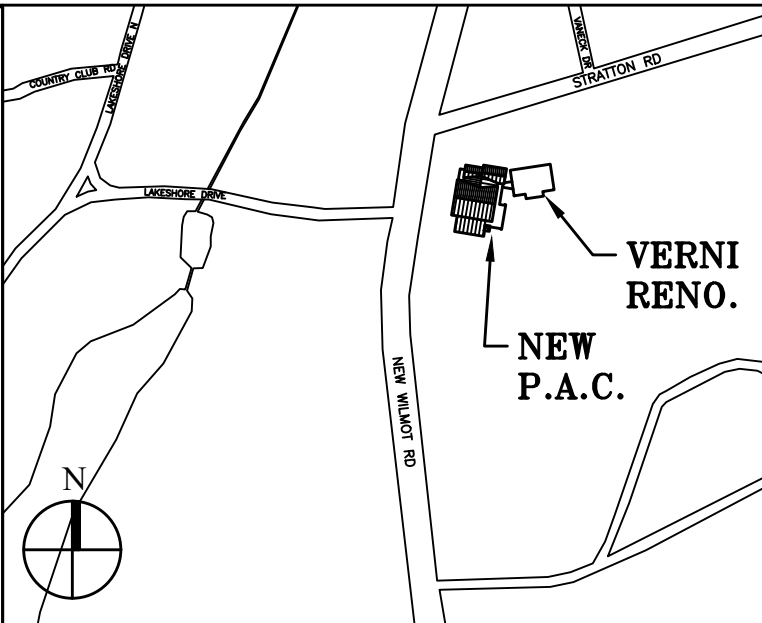
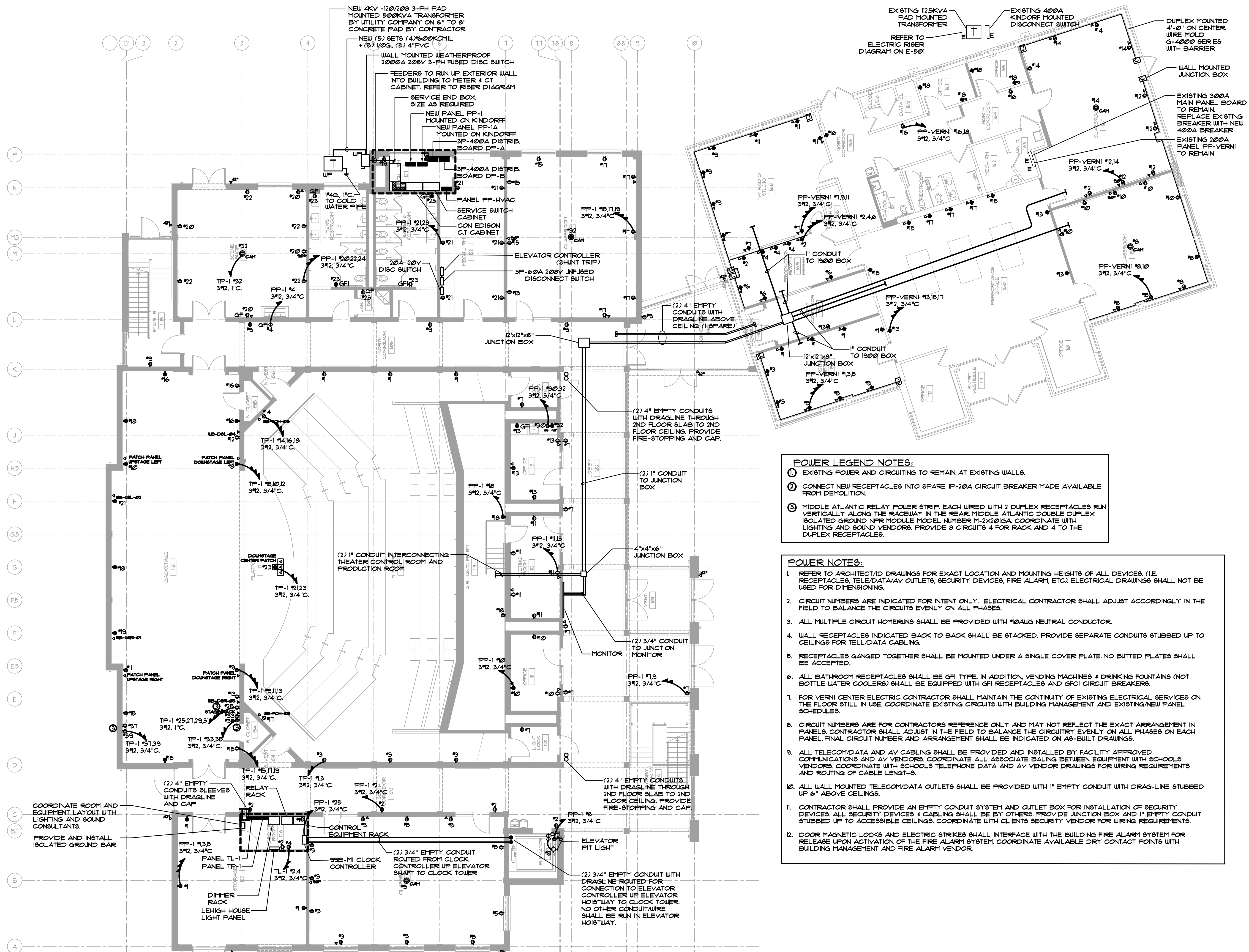
Drawing Title
**SECOND FLOOR
ELECTRICAL LIGHTING
PLAN**

Scale	Job No.	Date	Drawing No.
1/8"=1'-0"	1618	04/03/2019	E-302

Drawn

Peter Gisolfi Associates
Architects Landscape Architects, LLP
586 Warburton Avenue
Hastings on Hudson, NY 10706
914 478 3677

PETER GISOLFI ASSOCIATES



Key Plan (not to scale)

POWER LEGEND NOTES:

- EXISTING POWER AND CIRCUITING TO REMAIN AT EXISTING WALLS.
- CONNECT NEW RECEPTACLES INTO SPARE IP-20A CIRCUIT BREAKER MADE AVAILABLE FROM DEMOLITION.
- MIDDLE ATLANTIC RELAY POWER STRIP. EACH WIRED WITH 2 DUPLEX RECEPTACLES RUN VERTICALLY ALONG THE RACEWAY IN THE REAR MIDDLE ATLANTIC DOUBLE DUPLEX ISOLATED GROUND NFR MODULE MODEL NUMBER M-2X20GA. COORDINATE WITH LIGHTING AND SOUND VENDORS. PROVIDE 8 CIRCUITS 4 FOR RACK AND 4 TO THE DUPLEX RECEPTACLES.

POWER NOTES:

- REFER TO ARCHITECT/ID DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES. (I.E. RECEPTACLES, TELE/DATA/AV OUTLETS, SECURITY DEVICES, FIRE ALARM, ETC). ELECTRICAL DRAWINGS SHALL NOT BE USED FOR DIMENSIONING.
- CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD TO BALANCE THE CIRCUITS EVENLY ON ALL PHASES.
- ALL MULTIPLE CIRCUIT HOMERUNS SHALL BE PROVIDED WITH #10AWG NEUTRAL CONDUCTOR.
- WALL RECEPTACLES INDICATED BACK TO BACK SHALL BE STACKED. PROVIDE SEPARATE CONDUITS STUBBED UP TO CEILING FOR TEL/DATA CABLING.
- RECEPTACLES GANGED TOGETHER SHALL BE MOUNTED UNDER A SINGLE COVER PLATE. NO BUTTED PLATES SHALL BE ACCEPTED.
- ALL BATHROOM RECEPTACLES SHALL BE GFI TYPE. IN ADDITION, VENDING MACHINES & DRINKING FOUNTAINS (NOT BOTTLE WATER COOLERS) SHALL BE EQUIPPED WITH GFI RECEPTACLES AND GFCI CIRCUIT BREAKERS.
- FOR VERNI CENTER ELECTRIC CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING ELECTRICAL SERVICES ON THE FLOOR STILL IN USE. COORDINATE EXISTING CIRCUITS WITH BUILDING MANAGEMENT AND EXISTING/NEW PANEL SCHEDULES.
- CIRCUIT NUMBERS ARE FOR CONTRACTORS REFERENCE ONLY AND MAY NOT REFLECT THE EXACT ARRANGEMENT IN PANELS. CONTRACTOR SHALL ADJUST IN THE FIELD TO BALANCE THE CIRCUITRY EVENLY ON ALL PHASES ON EACH PANEL. FINAL CIRCUIT NUMBER AND ARRANGEMENT SHALL BE INDICATED ON AS-BUILT DRAWINGS.
- ALL TELECOM/DATA AND AV CABLING SHALL BE PROVIDED AND INSTALLED BY FACILITY APPROVED COMMUNICATIONS AND AV VENDORS. COORDINATE ALL ASSOCIATE BAILING BETWEEN EQUIPMENT WITH SCHOOLS VENDORS. COORDINATE WITH SCHOOLS TELEPHONE DATA AND AV VENDOR DRAWINGS FOR WIRING REQUIREMENTS AND ROUTING OF CABLE LENGTHS.
- ALL WALL MOUNTED TELECOM/DATA OUTLETS SHALL BE PROVIDED WITH 1" EMPTY CONDUIT WITH DRAG-LINE STUBBED UP 6" ABOVE CEILING.
- CONTRACTOR SHALL PROVIDE AN EMPTY CONDUIT SYSTEM AND OUTLET BOX FOR INSTALLATION OF SECURITY DEVICES. ALL SECURITY DEVICES & CABLING SHALL BE BY OTHERS. PROVIDE JUNCTION BOX AND 1" EMPTY CONDUIT STUBBED UP TO ACCESSIBLE CEILING. COORDINATE WITH CLIENTS SECURITY VENDOR FOR WIRING REQUIREMENTS.
- DOOR MAGNETIC LOCKS AND ELECTRIC STRIKES SHALL INTERFACE WITH THE BUILDING FIRE ALARM SYSTEM FOR RELEASE UPON ACTIVATION OF THE FIRE ALARM SYSTEM. COORDINATE AVAILABLE DRY CONTACT POINTS WITH BUILDING MANAGEMENT AND FIRE ALARM VENDOR.

No.	Date	Revision/Submission
7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE

STRUCTURAL & SITE CIVIL ENGINEER
 DOMINICK R PILLA
 ASSOCIATES, P.C.
 143 MAIN STREET
 NYACK, NY 10960
 845-727-7793

MEP ENGINEER
 JMV CONSULTING
 ENGINEERING, P.C.
 37 W. 38 STREET, STE 703
 NEW YORK, NY 10013
 212-652-9855

ROOFING CONSULTANT
 WATSKY ASSOCIATES
 20 MADISON AVENUE
 VALHALLA, NY 10595
 914-945-3450

Stamp

Project Title
 IONA PREPARATORY SCHOOL
 ADDITION AND ALTERATION TO THE
 PAUL VERNI FINE ARTS CENTER

Project Address
 IONA PREPARATORY SCHOOL
 255 Wilmet Road
 New Rochelle, NY 10804

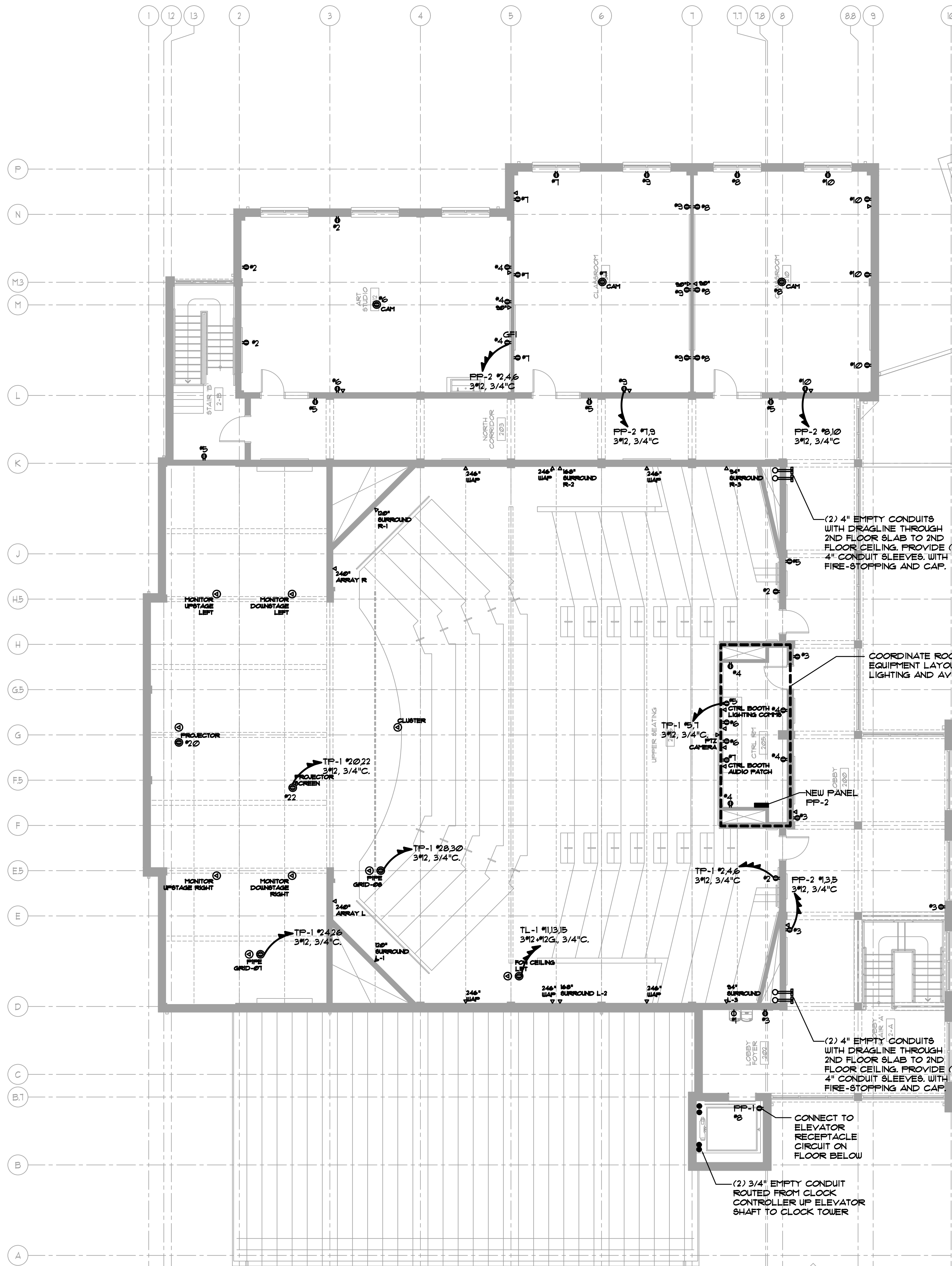
Drawing Title
**FIRST FLOOR ELECTRICAL
 POWER PLAN**

Scale	Job No.	Date	Drawing No.
1/8"=1'-0"	1618	04/03/2019	E-303

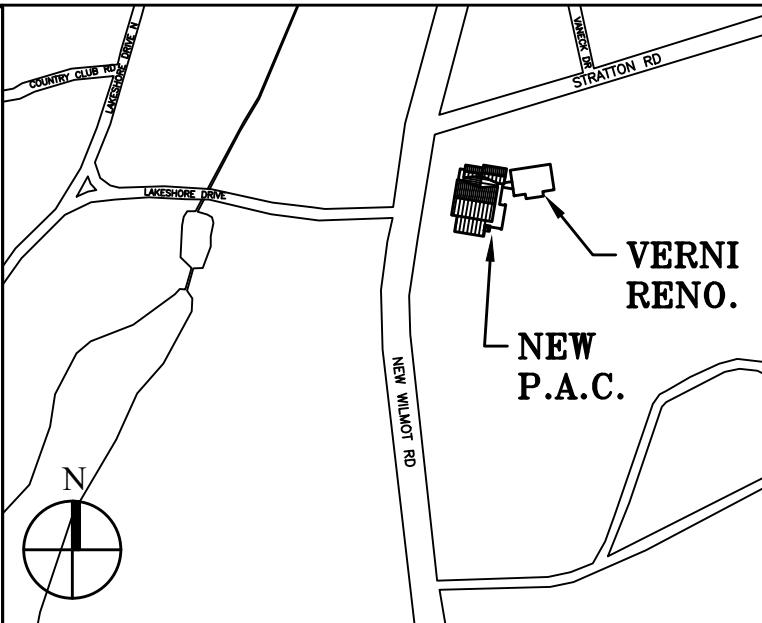
Drawn

Peter Gisolfi Associates
 Architects Landscape Architects, LLP
 586 Warburton Avenue
 Hastings on Hudson, NY 10706
 914 478 3677

PETER GISOLFI ASSOCIATES



- POWER NOTES:**
- REFER TO ARCHITECT/ID DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES. (I.E. RECEPTACLES, TELE/DATA/AV OUTLETS, SECURITY DEVICES, FIRE ALARM, ETC). ELECTRICAL DRAWINGS SHALL NOT BE USED FOR DIMENSIONING.
 - CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD TO BALANCE THE CIRCUITS EVENLY ON ALL PHASES.
 - ALL MULTIPLE CIRCUIT HOMERUNS SHALL BE PROVIDED WITH #10AWG NEUTRAL CONDUCTOR.
 - WALL RECEPTACLES INDICATED BACK TO BACK SHALL BE STACKED. PROVIDE SEPARATE CONDUITS STUBBED UP TO CEILING FOR TEL/DATA CABLING.
 - RECEPTACLES GANGED TOGETHER SHALL BE MOUNTED UNDER A SINGLE COVER PLATE. NO BUTTED PLATES SHALL BE ACCEPTED.
 - ALL BATHROOM RECEPTACLES SHALL BE GFI TYPE. IN ADDITION, VENDING MACHINES & DRINKING FOUNTAINS (NOT BOTTLE WATER COOLERS) SHALL BE EQUIPPED WITH GFI RECEPTACLES AND GFCI CIRCUIT BREAKERS.
 - FOR VERNI CENTER ELECTRICAL CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING ELECTRICAL SERVICES ON THE FLOOR STILL IN USE. COORDINATE EXISTING CIRCUITS WITH BUILDING MANAGEMENT AND EXISTING/NEW PANEL SCHEDULES.
 - CIRCUIT NUMBERS ARE FOR CONTRACTORS REFERENCE ONLY AND MAY NOT REFLECT THE EXACT ARRANGEMENT IN PANELS. CONTRACTOR SHALL ADJUST IN THE FIELD TO BALANCE THE CIRCUITRY EVENLY ON ALL PHASES ON EACH PANEL. FINAL CIRCUIT NUMBER AND ARRANGEMENT SHALL BE INDICATED ON AS-BUILT DRAWINGS.
 - ALL TELECOM/DATA AND AV CABLING SHALL BE PROVIDED AND INSTALLED BY FACILITY APPROVED COMMUNICATIONS AND AV VENDORS. COORDINATE ALL ASSOCIATE BAILING BETWEEN EQUIPMENT WITH SCHOOLS VENDORS. COORDINATE WITH SCHOOLS TELEPHONE DATA AND AV VENDOR DRAWINGS FOR WIRING REQUIREMENTS AND ROUTING OF CABLE LENGTHS.
 - ALL WALL MOUNTED TELECOM/DATA OUTLETS SHALL BE PROVIDED WITH 1" EMPTY CONDUIT WITH DRAG-LINE STUBBED UP 6" ABOVE CEILING.
 - CONTRACTOR SHALL PROVIDE AN EMPTY CONDUIT SYSTEM AND OUTLET BOX FOR INSTALLATION OF SECURITY DEVICES. ALL SECURITY DEVICES & CABLING SHALL BE BY OTHERS. PROVIDE JUNCTION BOX AND 1" EMPTY CONDUIT STUBBED UP TO ACCESSIBLE CEILING. COORDINATE WITH CLIENTS SECURITY VENDOR FOR WIRING REQUIREMENTS.
 - DOOR MAGNETIC LOCKS AND ELECTRIC STRIKES SHALL INTERFACE WITH THE BUILDING FIRE ALARM SYSTEM FOR RELEASE UPON ACTIVATION OF THE FIRE ALARM SYSTEM. COORDINATE AVAILABLE DRY CONTACT POINTS WITH BUILDING MANAGEMENT AND FIRE ALARM VENDOR.



Key Plan (not to scale)

No.	Date	Revision/Submission
7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE

STRUCTURAL & SITE CIVIL ENGINEER
 DOMINICK R PILLA
 ASSOCIATES, P.C.
 143 MAIN STREET
 NYACK, NY 10960
 845-727-7793

MEP ENGINEER
 JMV CONSULTING
 ENGINEERING, P.C.
 37 W. 58 STREET, STE 703
 NEW YORK, NY 10019
 212-652-9855

ROOFING CONSULTANT
 WATSKY ASSOCIATES
 20 MADISON AVENUE
 VALHALLA, NY 10595
 914-945-3450

Stamp

Project Title
 IONA PREPARATORY SCHOOL
 ADDITION AND ALTERATION TO THE
 PAUL VERNI FINE ARTS CENTER

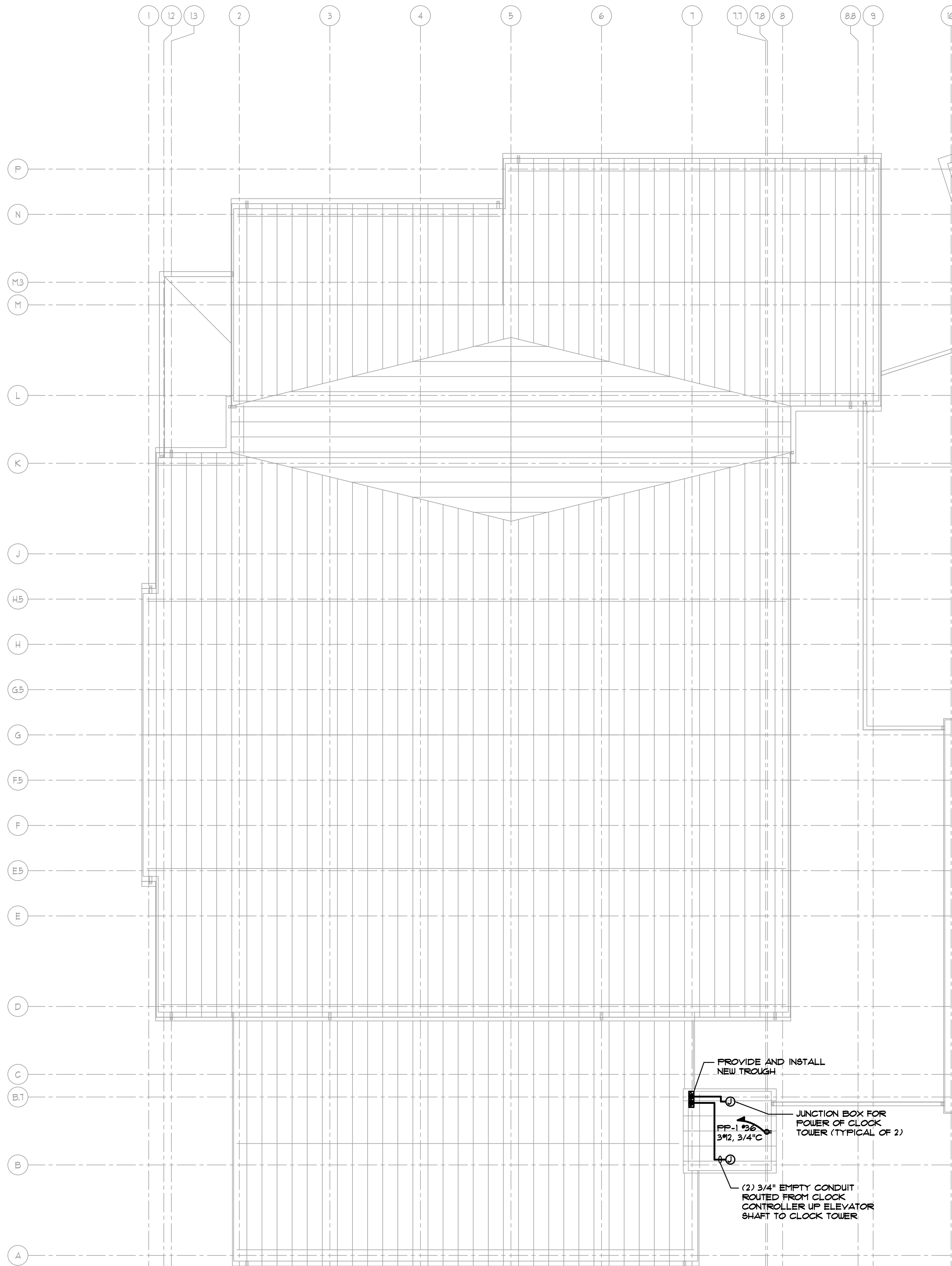
Project Address
 IONA PREPARATORY SCHOOL
 255 Wilmot Road
 New Rochelle, NY 10804

Drawing Title
 SECOND FLOOR
 ELECTRICAL POWER PLAN

Scale	Job No.	Date	Drawing No.
1/8"=1'-0"	1618	04/03/2019	E-304

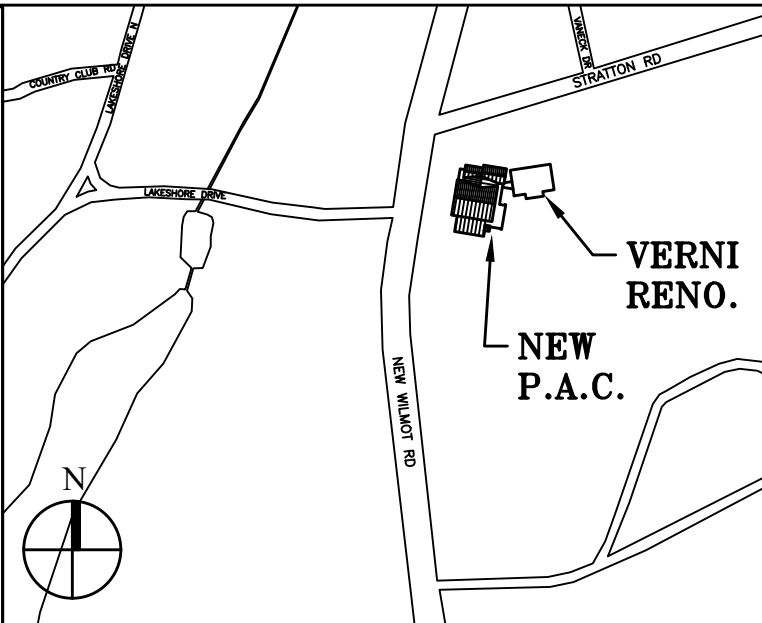
Peter Gisolfi Associates
 Architects Landscape Architects, LLP
 586 Warburton Avenue
 Hastings on Hudson, NY 10706
 914 478 3677

PETER GISOLFI ASSOCIATES



POWER NOTES:

1. REFER TO ARCHITECT/ID DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES. (I.E. RECEPTACLES, TELE/DATA/AV OUTLETS, SECURITY DEVICES, FIRE ALARM, ETC). ELECTRICAL DRAWINGS SHALL NOT BE USED FOR DIMENSIONING.
2. CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD TO BALANCE THE CIRCUITS EVENLY ON ALL PHASES.
3. ALL MULTIPLE CIRCUIT HOMERUNS SHALL BE PROVIDED WITH #10AWG NEUTRAL CONDUCTOR.
4. CIRCUIT NUMBERS ARE FOR CONTRACTORS REFERENCE ONLY AND MAY NOT REFLECT THE EXACT ARRANGEMENT IN PANELS. CONTRACTOR SHALL ADJUST IN THE FIELD TO BALANCE THE CIRCUITRY EVENLY ON ALL PHASES ON EACH PANEL. FINAL CIRCUIT NUMBER AND ARRANGEMENT SHALL BE INDICATED ON AS-BUILT DRAWINGS.



Key Plan (not to scale)

No.	Date	Revision/Submission
7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE

STRUCTURAL & SITE CIVIL ENGINEER
 DOMINICK R PILLA
 ASSOCIATES, P.C.
 145 MAIN STREET
 NYACK, NY 10960
 845-727-7793

MEP ENGINEER
 JMV CONSULTING
 ENGINEERING, P.C.
 37 W. 38 STREET, STE 703
 NEW YORK, NY 10018
 212-652-9855

ROOFING CONSULTANT
 WATSKY ASSOCIATES
 20 MADISON AVENUE
 VALHALLA, NY 10595
 914-948-3450

Stamp

Project Title
 IONA PREPARATORY SCHOOL
 ADDITION AND ALTERATION TO THE
 PAUL VERNI FINE ARTS CENTER

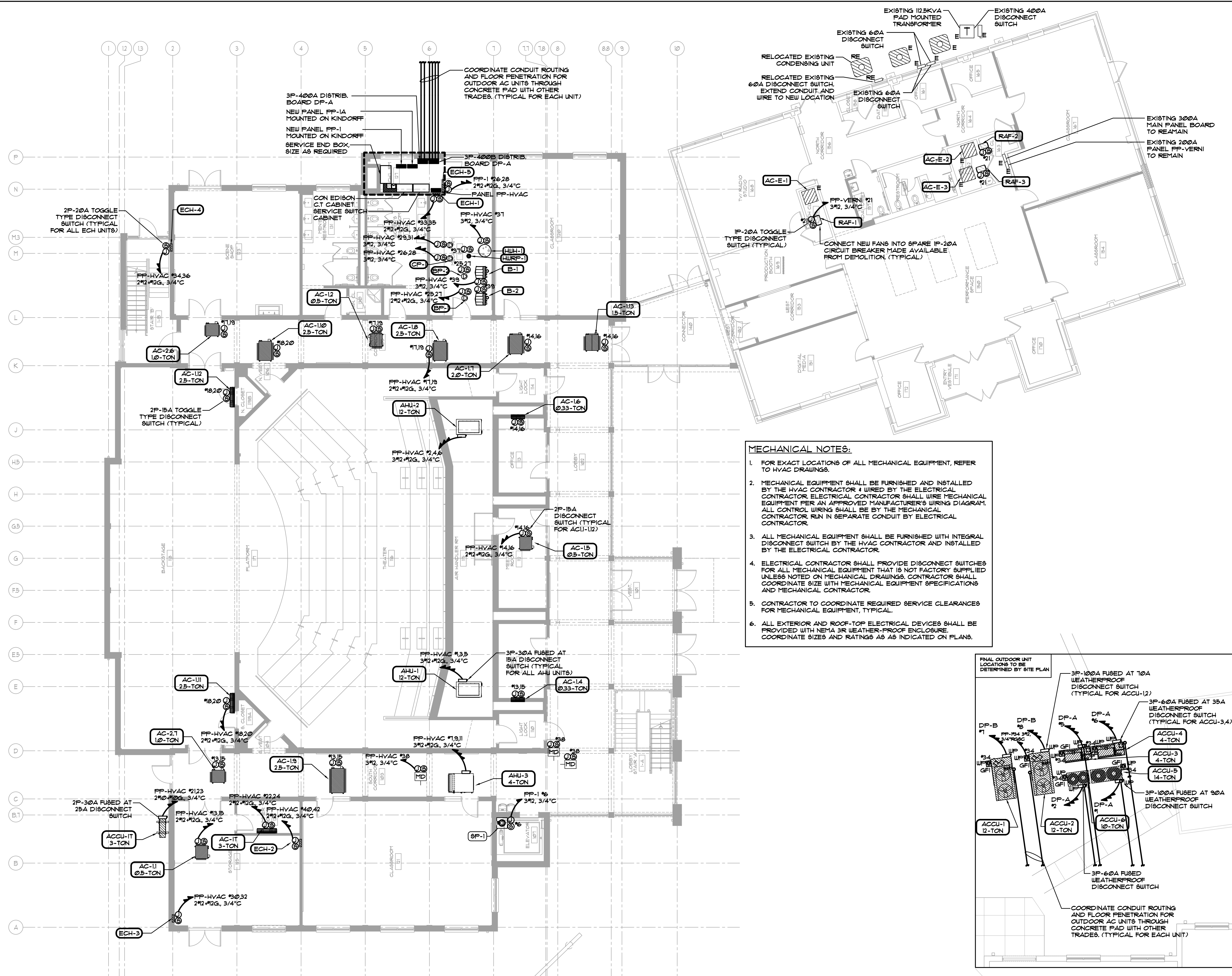
Project Address
 IONA PREPARATORY SCHOOL
 255 Wilmot Road
 New Rochelle, NY 10804

Drawing Title
 ROOF LEVEL ELECTRICAL
 POWER PLAN

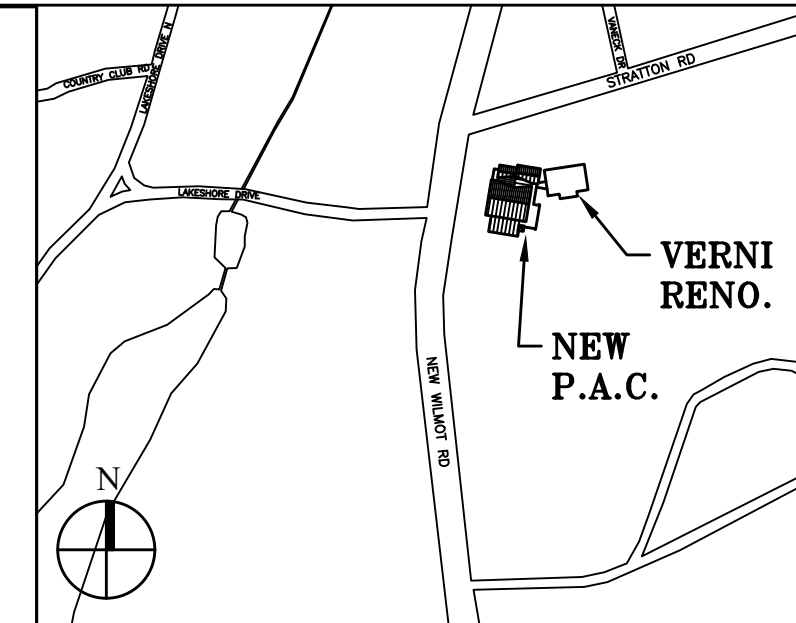
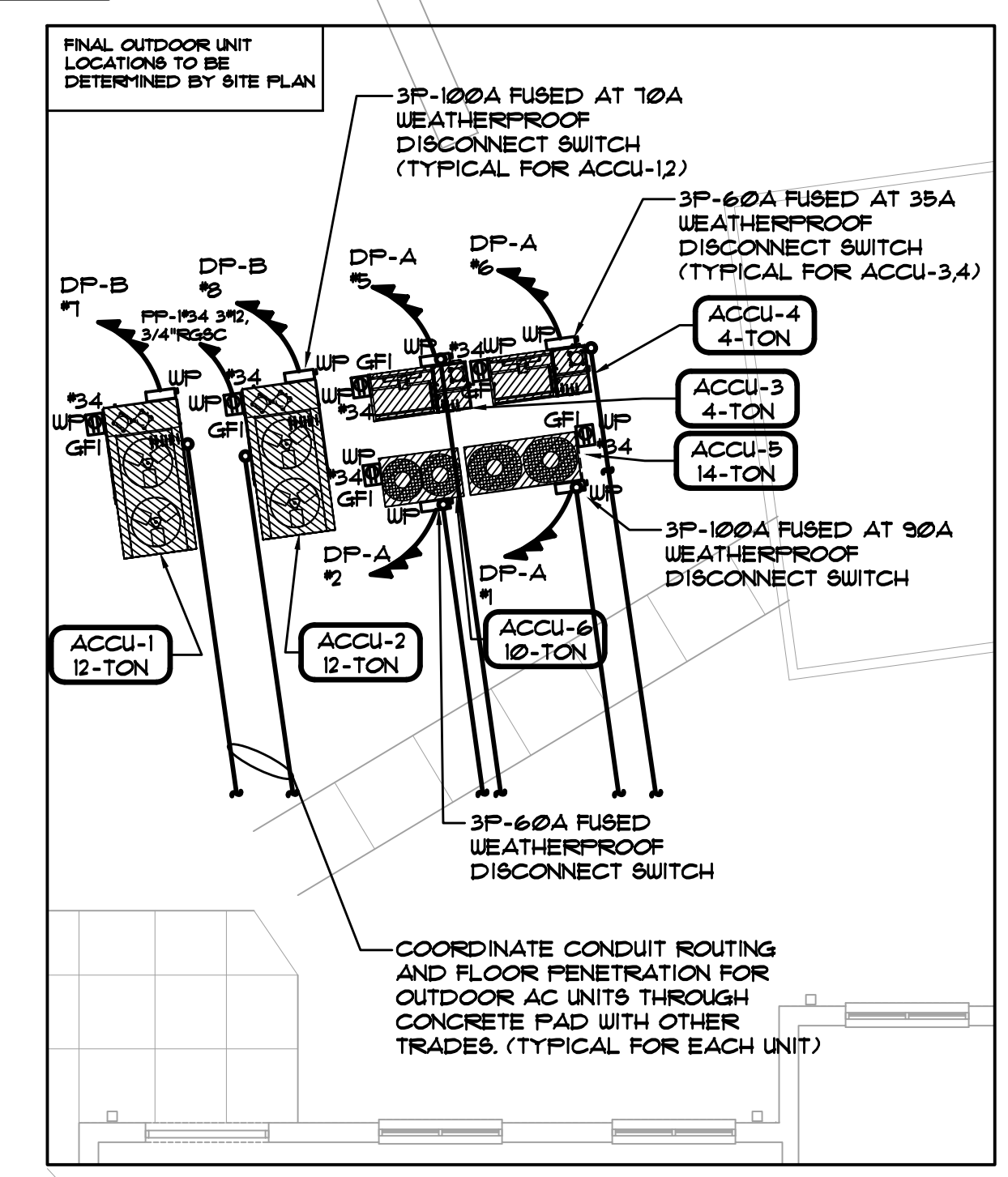
Scale	Job No.	Date	Drawing No.
1/8"=1'-0"	1618	04/03/2019	E-305
Drawn			

Peter Gisolfi Associates
 Architects Landscape Architects, LLP
 566 Warburton Avenue
 Hastings on Hudson, NY 10706
 914 478 3677

PETER GISOLFI ASSOCIATES



- MECHANICAL NOTES:**
- FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, REFER TO HVAC DRAWINGS.
 - MECHANICAL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE HVAC CONTRACTOR & WIRED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL WIRE MECHANICAL EQUIPMENT PER AN APPROVED MANUFACTURER'S WIRING DIAGRAM. ALL CONTROL WIRING SHALL BE BY THE MECHANICAL CONTRACTOR RUN IN SEPARATE CONDUIT BY ELECTRICAL CONTRACTOR.
 - ALL MECHANICAL EQUIPMENT SHALL BE FURNISHED WITH INTEGRAL DISCONNECT SWITCH BY THE HVAC CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCHES FOR ALL MECHANICAL EQUIPMENT THAT IS NOT FACTORY SUPPLIED UNLESS NOTED ON MECHANICAL DRAWINGS. CONTRACTOR SHALL COORDINATE SIZE WITH MECHANICAL EQUIPMENT SPECIFICATIONS AND MECHANICAL CONTRACTOR.
 - CONTRACTOR TO COORDINATE REQUIRED SERVICE CLEARANCES FOR MECHANICAL EQUIPMENT, TYPICAL.
 - ALL EXTERIOR AND ROOF-TOP ELECTRICAL DEVICES SHALL BE PROVIDED WITH NEMA 3R WEATHER-PROOF ENCLOSURE. COORDINATE SIZES AND RATINGS AS INDICATED ON PLANS.



Key Plan (not to scale)

No.	Date	Revision/Submission
7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE

STRUCTURAL & SITE CIVIL ENGINEER
 DOMINICK R PILLA
 ASSOCIATES, P.C.
 143 MAIN STREET
 NYACK, NY 10960
 845-727-7793

MEP ENGINEER
 JMV CONSULTING
 ENGINEERING, P.C.
 37 W. 58 STREET, STE 703
 NEW YORK, NY 10019
 212-652-9855

ROOFING CONSULTANT
 WATSKY ASSOCIATES
 20 MADISON AVENUE
 VALHALLA, NY 10595
 914-945-3450

Project Title
**IONA PREPARATORY SCHOOL
 ADDITION AND ALTERATION TO THE
 PAUL VERNI FINE ARTS CENTER**

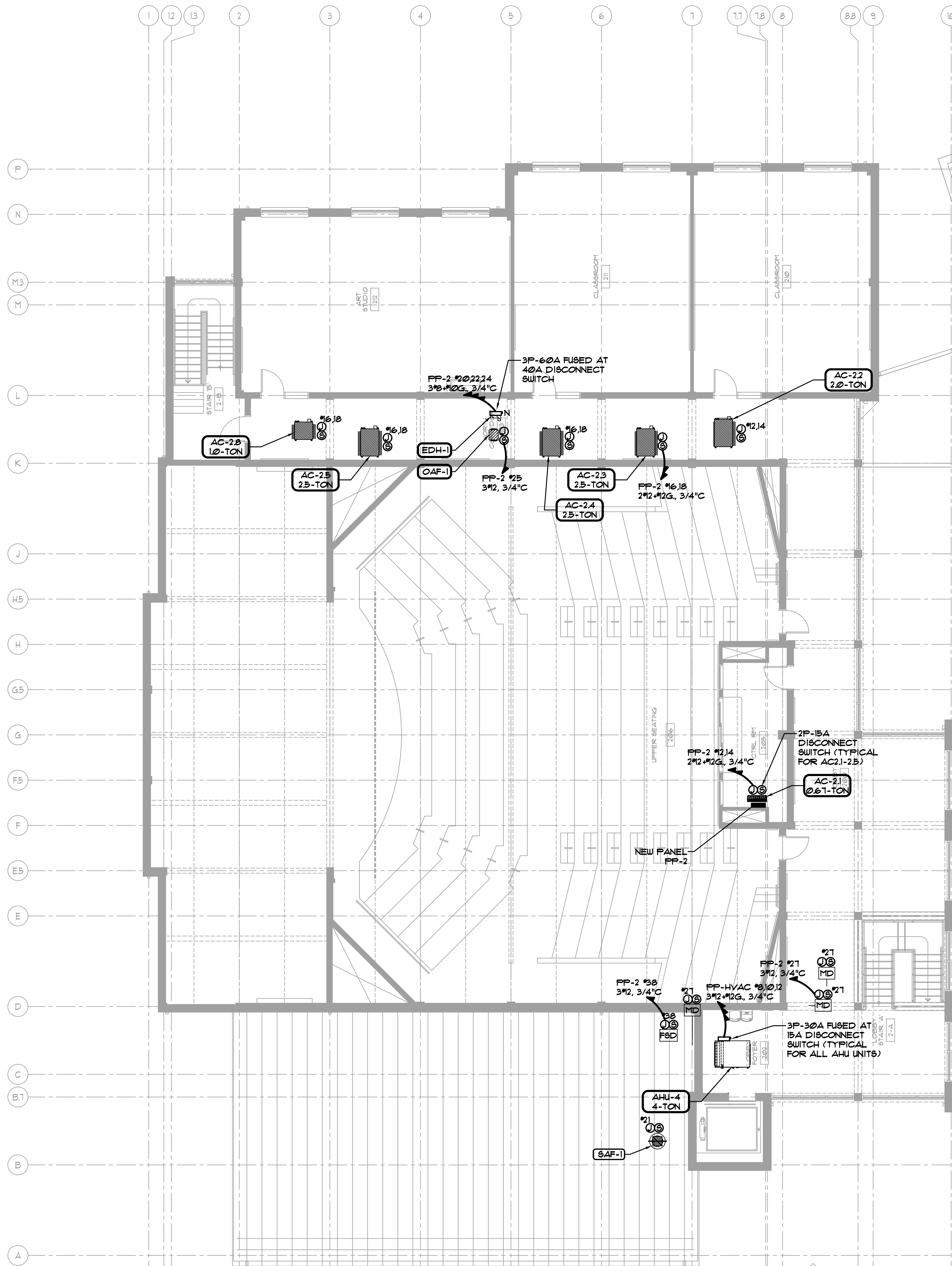
Project Address
**IONA PREPARATORY SCHOOL
 255 Wilmot Road
 New Rochelle, NY 10804**

Drawing Title
**FIRST FLOOR ELECTRICAL
 MECHANICAL POWER PLAN**

Scale Job No. Date Drawing No.
 1/8"=1'-0" 1618 04/03/2019 **E-306**

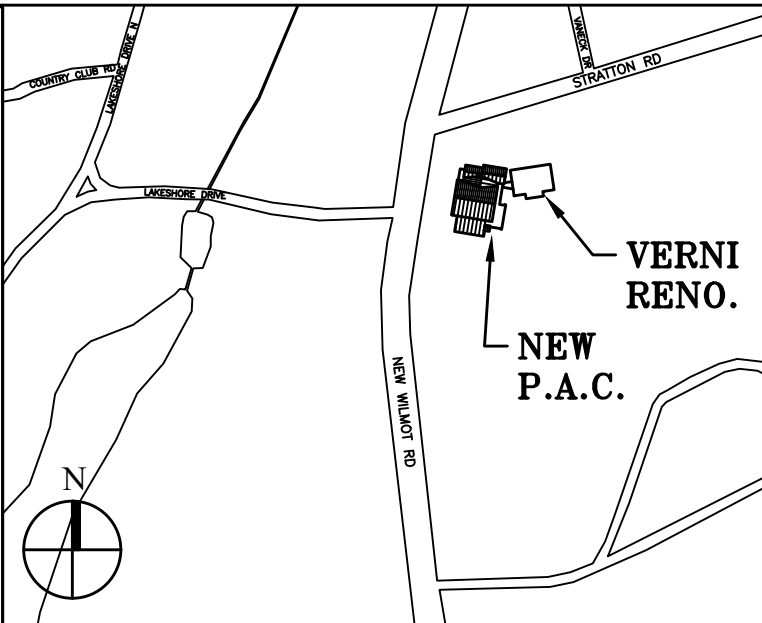
Peter Gisolfi Associates
 Architects Landscape Architects, LLP
 586 Warburton Avenue
 Hastings on Hudson, NY 10706
 914 478 3677

PETER GISOLFI ASSOCIATES



EXISTING VERNI BUILDING
(SINGLE STORY BUILDING)

- MECHANICAL NOTES:**
- FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, REFER TO HVAC DRAWINGS.
 - MECHANICAL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE HVAC CONTRACTOR & WIRED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL WIRE MECHANICAL EQUIPMENT PER AN APPROVED MANUFACTURER'S WIRING DIAGRAM. ALL CONTROL WIRING SHALL BE BY THE MECHANICAL CONTRACTOR RUN IN SEPARATE CONDUIT BY ELECTRICAL CONTRACTOR.
 - ALL MECHANICAL EQUIPMENT SHALL BE FURNISHED WITH INTEGRAL DISCONNECT SWITCH BY THE HVAC CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCHES FOR ALL MECHANICAL EQUIPMENT THAT IS NOT FACTORY SUPPLIED UNLESS NOTED ON MECHANICAL DRAWINGS. CONTRACTOR SHALL COORDINATE SIZE WITH MECHANICAL EQUIPMENT SPECIFICATIONS AND MECHANICAL CONTRACTOR.
 - CONTRACTOR TO COORDINATE REQUIRED SERVICE CLEARANCES FOR MECHANICAL EQUIPMENT, TYPICAL.
 - ALL EXTERIOR AND ROOF-TOP ELECTRICAL DEVICES SHALL BE PROVIDED WITH NEMA 3R WEATHER-PROOF ENCLOSURE. COORDINATE SIZES AND RATINGS AS AS INDICATED ON PLANS.



Key Plan (not to scale)

No.	Date	Revision/Submission
7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE

STRUCTURAL & SITE CIVIL ENGINEER
DOMINICK R PILLA
ASSOCIATES, P.C.
143 MAIN STREET
NYACK, NY 10960
845-727-7793

MEP ENGINEER
JMV CONSULTING
ENGINEERING, P.C.
37 W. 38 STREET, STE 703
NEW YORK, NY 10018
212-652-9855

ROOFING CONSULTANT
WATSKY ASSOCIATES
20 MADISON AVENUE
VALHALLA, NY 10595
914-948-3450

Stamp

Project Title
IONA PREPARATORY SCHOOL
ADDITION AND ALTERATION TO THE
PAUL VERNI FINE ARTS CENTER

Project Address
IONA PREPARATORY SCHOOL
255 Wilmot Road
New Rochelle, NY 10804

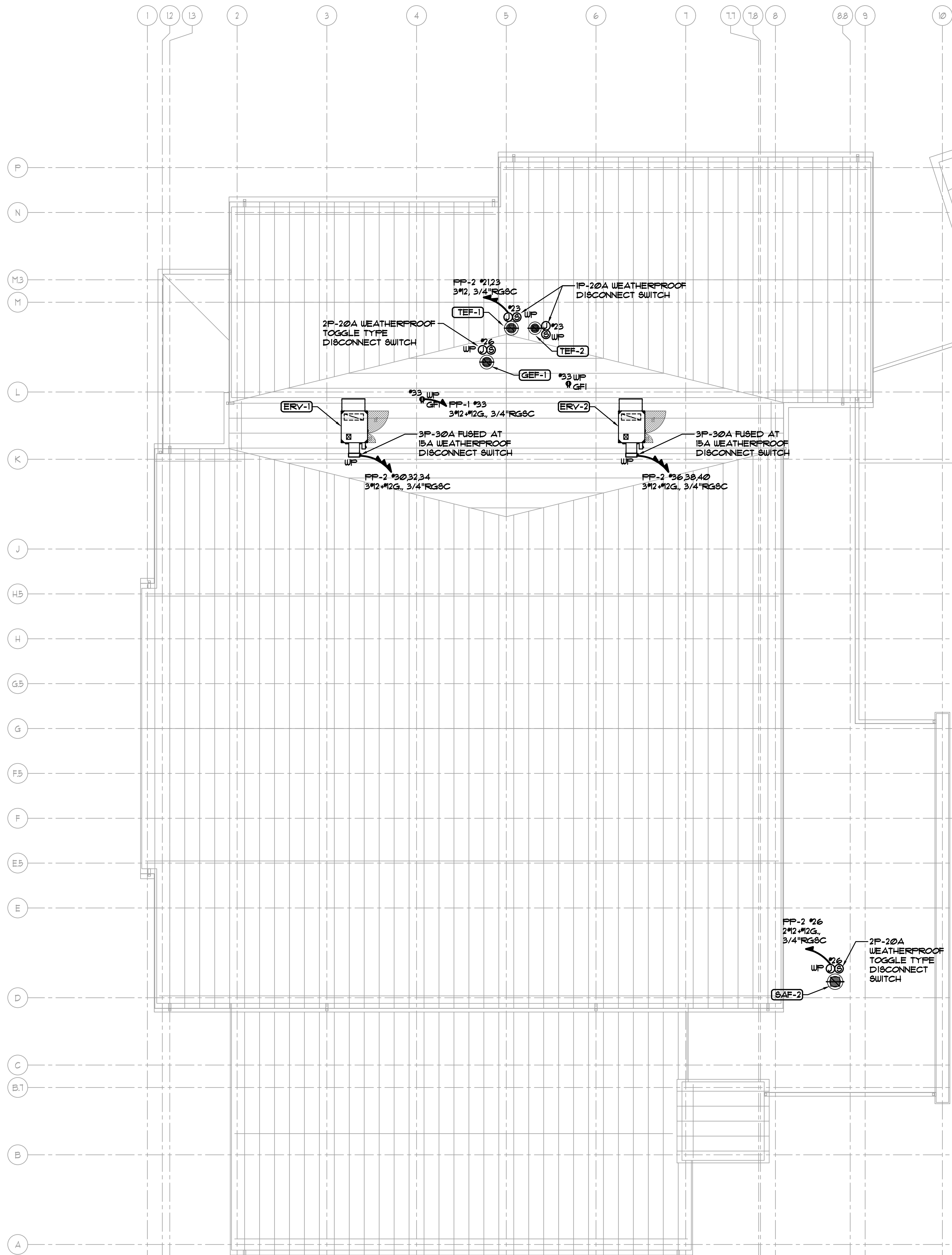
Drawing Title
**SECOND FLOOR
ELECTRICAL MECHANICAL
POWER PLAN**

Scale	Job No.	Date	Drawing No.
1/8"=1'-0"	1618	04/03/2019	E-307

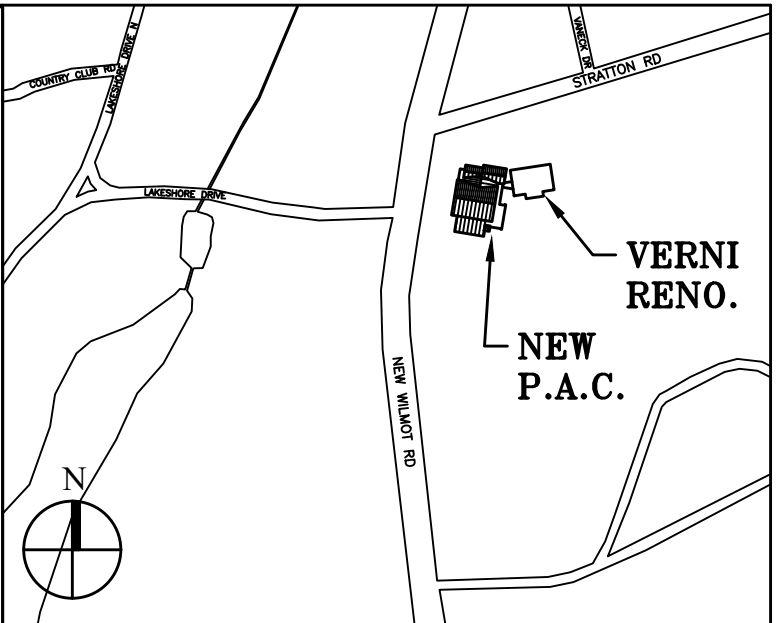
Drawn

Peter Gisolfi Associates
Architects Landscape Architects, LLP
566 Warburton Avenue
Hastings on Hudson, NY 10706
914 478 3677

PETER GISOLFI ASSOCIATES



- MECHANICAL NOTES:**
- FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, REFER TO HVAC DRAWINGS.
 - MECHANICAL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE HVAC CONTRACTOR & WIRED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL WIRE MECHANICAL EQUIPMENT PER AN APPROVED MANUFACTURER'S WIRING DIAGRAM. ALL CONTROL WIRING SHALL BE BY THE MECHANICAL CONTRACTOR RUN IN SEPARATE CONDUIT BY ELECTRICAL CONTRACTOR.
 - ALL MECHANICAL EQUIPMENT SHALL BE FURNISHED WITH INTEGRAL DISCONNECT SWITCH BY THE HVAC CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCHES FOR ALL MECHANICAL EQUIPMENT THAT IS NOT FACTORY SUPPLIED UNLESS NOTED ON MECHANICAL DRAWINGS. CONTRACTOR SHALL COORDINATE SIZE WITH MECHANICAL EQUIPMENT SPECIFICATIONS AND MECHANICAL CONTRACTOR.
 - CONTRACTOR TO COORDINATE REQUIRED SERVICE CLEARANCES FOR MECHANICAL EQUIPMENT, TYPICAL.
 - ALL EXTERIOR AND ROOF-TOP ELECTRICAL DEVICES SHALL BE PROVIDED WITH NEMA 3R WEATHER-PROOF ENCLOSURE. COORDINATE SIZES AND RATINGS AS AS INDICATED ON PLANS.



Key Plan (not to scale)

7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE
No.	Date	Revision/Submission
STRUCTURAL & SITE CIVIL ENGINEER		
DOMINICK R PILLA ASSOCIATES, P.C. 145 MAIN STREET NYACK, NY 10960 845-727-7793		
MEP ENGINEER		ROOFING CONSULTANT
JMV CONSULTING ENGINEERING, P.C. 37 W. 58 STREET, STE 703 NEW YORK, NY 10019 212-652-9855		WATSKY ASSOCIATES 20 MADISON AVENUE VALHALLA, NY 10595 914-948-3450

Stamp

Project Title
IONA PREPARATORY SCHOOL
ADDITION AND ALTERATION TO THE
PAUL VERNI FINE ARTS CENTER

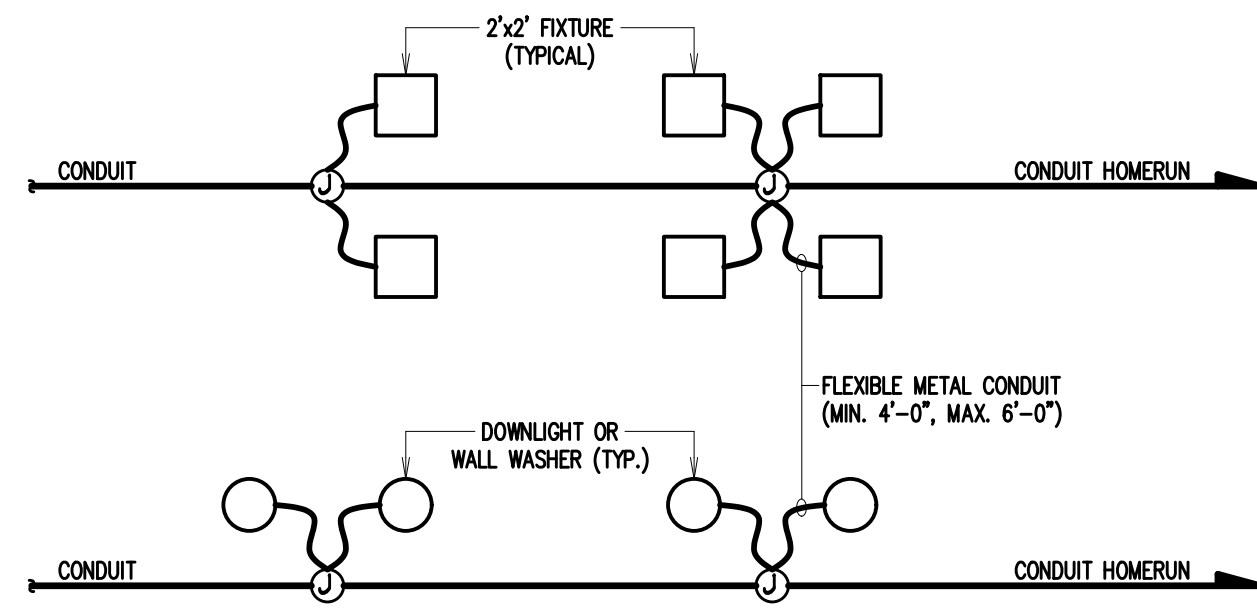
Project Address
IONA PREPARATORY SCHOOL
255 Wilmot Road
New Rochelle, NY 10804

Drawing Title
ROOF LEVEL ELECTRICAL
MECHANICAL POWER PLAN

Scale	Job No.	Date	Drawing No.
1/8"=1'-0"	1618	04/03/2019	E-308
Drawn			

Peter Gisolfi Associates
Architects Landscape Architects, LLP
586 Warburton Avenue
Hastings on Hudson, NY 10706
914 478 3677

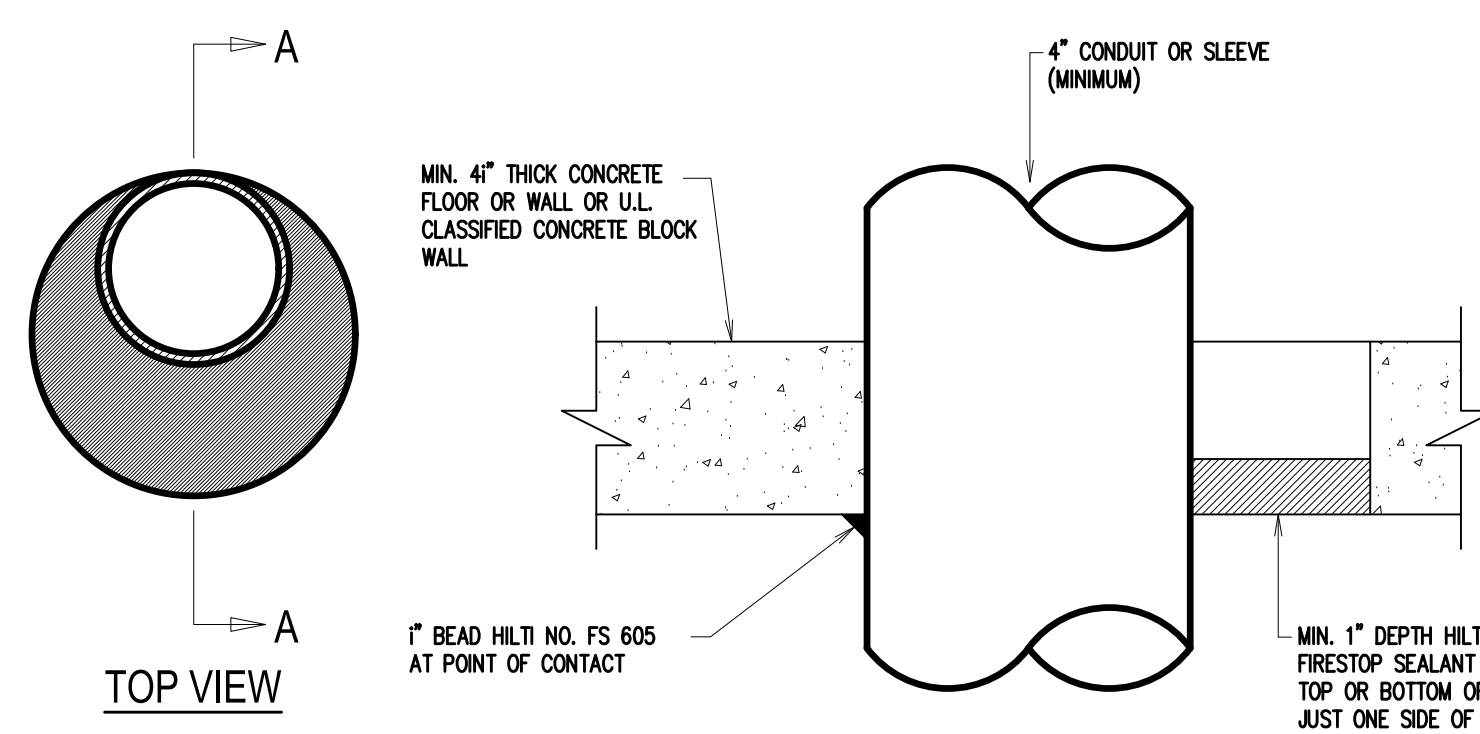
PETER GISOLFI ASSOCIATES



NOTES:

1. LIGHTING FIXTURES SHALL BE CIRCUITED IN ACCORDANCE WITH CIRCUIT NUMBER INDICATED ADJACENT TO EACH FIXTURE ON THE LIGHTING PLANS.
2. ELECTRICAL CONTRACTOR MAY PROPOSE THE USE OF ARMORED CABLE AS AN ALTERNATE TO CONDUIT. REFER TO SPECIFICATION.

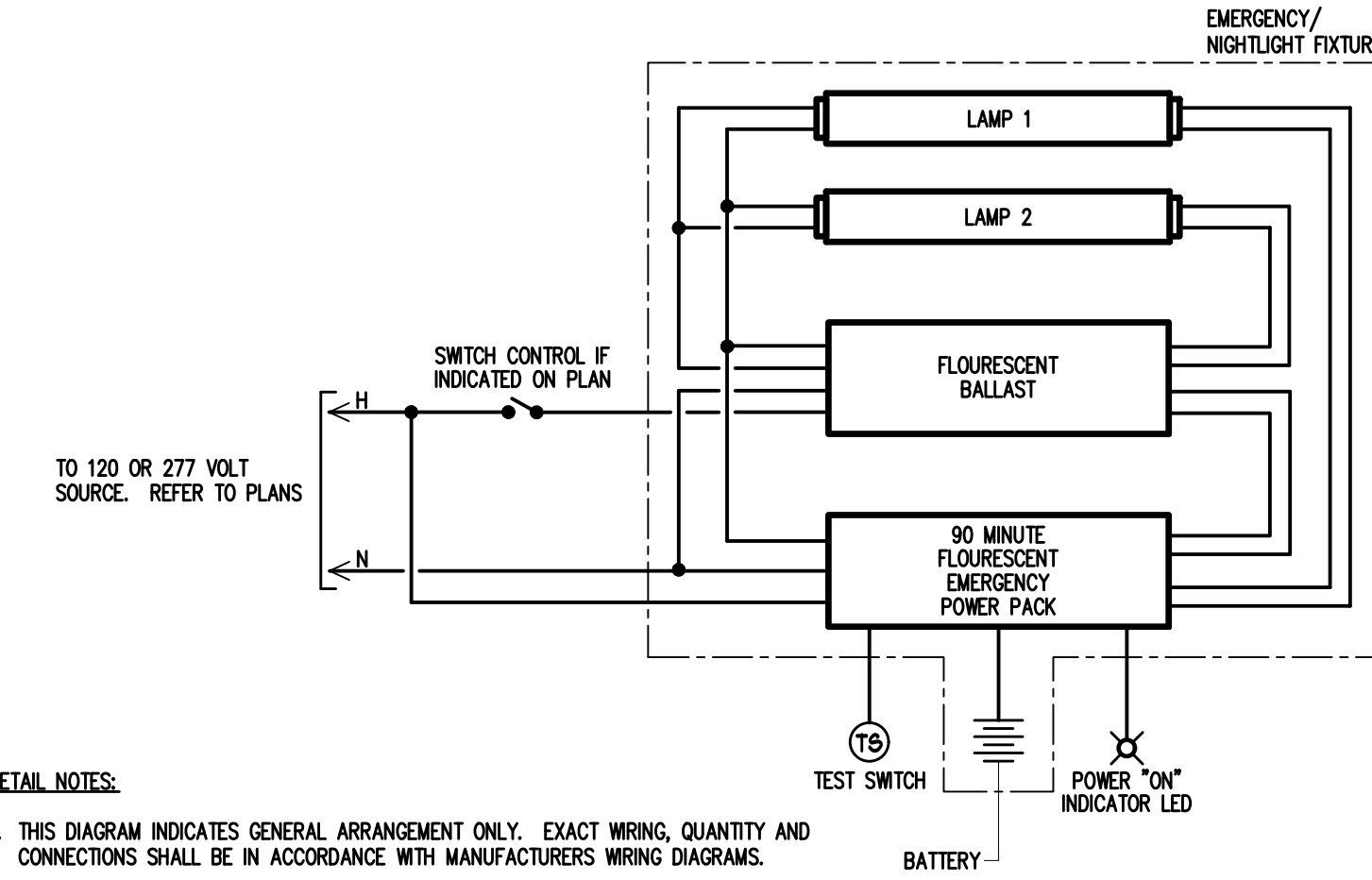
TYPICAL LIGHTING FIXTURE CIRCUITING DETAIL
NOT TO SCALE



DETAIL NOTES:

1. CONDUIT MAY BE CENTERED OR OFFSET IN HOLE. MAXIMUM DIAMETER OF HOLE OPENING IS 14 INCHES.
2. TEMPORARY FORMS MAY BE REQUIRED TO SUPPORT THE FIRESTOP SEALANT WHILE IT CURES.
3. FOR CONDUIT SLEEVE INSTALLATIONS PROVIDE AROUND CONDUCTORS WITHIN SLEEVE.
4. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PATCHING AND EXTERNAL FIRESTOPPING AROUND SLEEVE (WHERE APPLICABLE) AND CONDUIT. TELECOM CONTRACTOR IS RESPONSIBLE FOR FIRESTOPPING WITHIN SLEEVES USED FOR TEL/DATA WIRING.

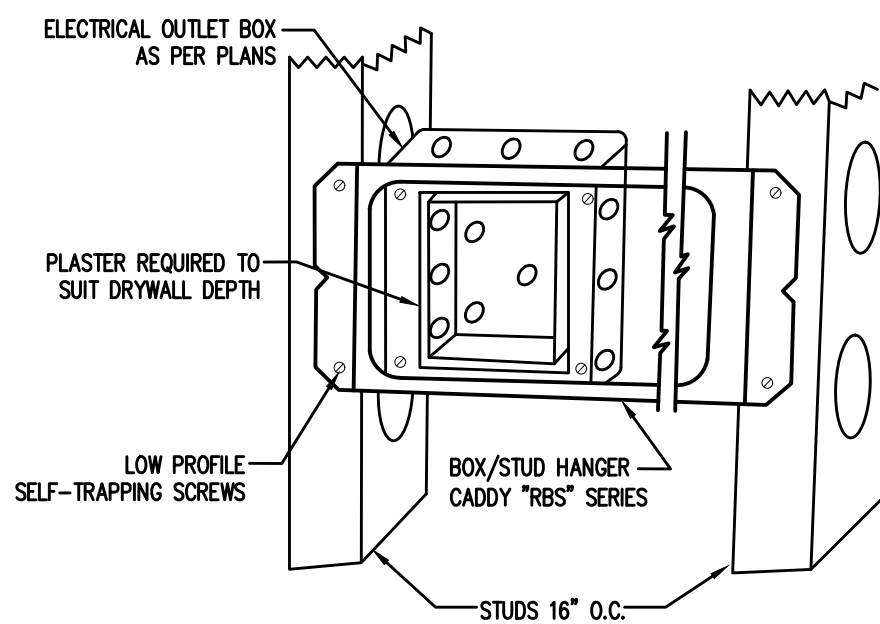
CONDUIT THROUGH A CONCRETE/BLOCK WALL OR SLAB
NOT TO SCALE



DETAIL NOTES:

1. THIS DIAGRAM INDICATES GENERAL ARRANGEMENT ONLY. EXACT WIRING QUANTITY AND CONNECTIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS WIRING DIAGRAMS.
2. FOR 2x2 FLUORESCENT FIXTURES AND PL DOWNLIGHTS TEST SWITCH AND LED SHALL BE MOUNTED ON ACCESSIBLE PORTION OF THE FIXTURE HOUSING. IF THIS IS NOT POSSIBLE THEY SHALL BE MOUNTED ON AN ADJACENT CEILING TILE UTILIZING A WHITE SINGLE GANG PLATE.

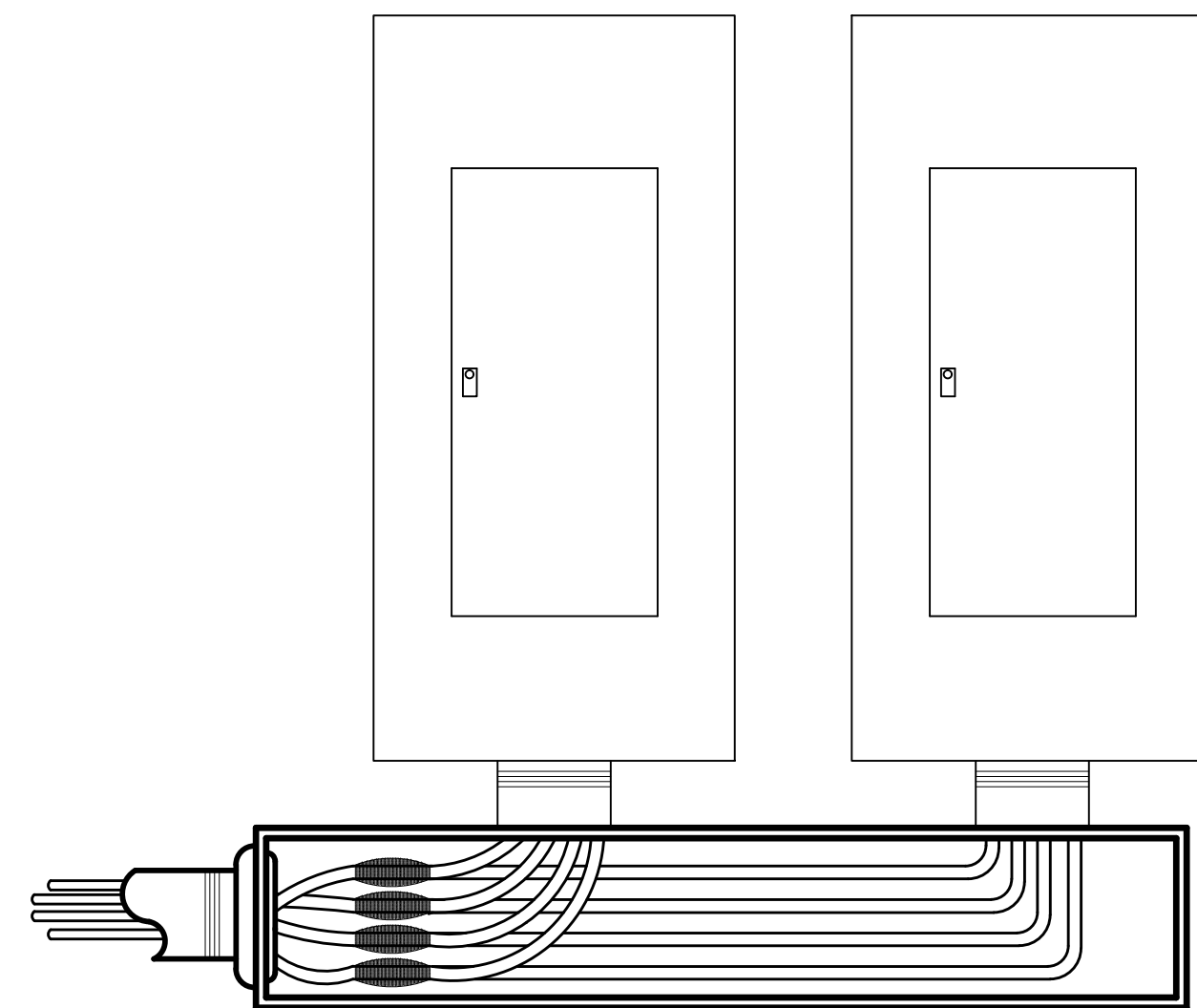
DETAIL # - TYPICAL WIRING DIAGRAM FOR FLUORESCENT LIGHT FIXTURE WITH EMERGENCY POWER PACK
NOT TO SCALE



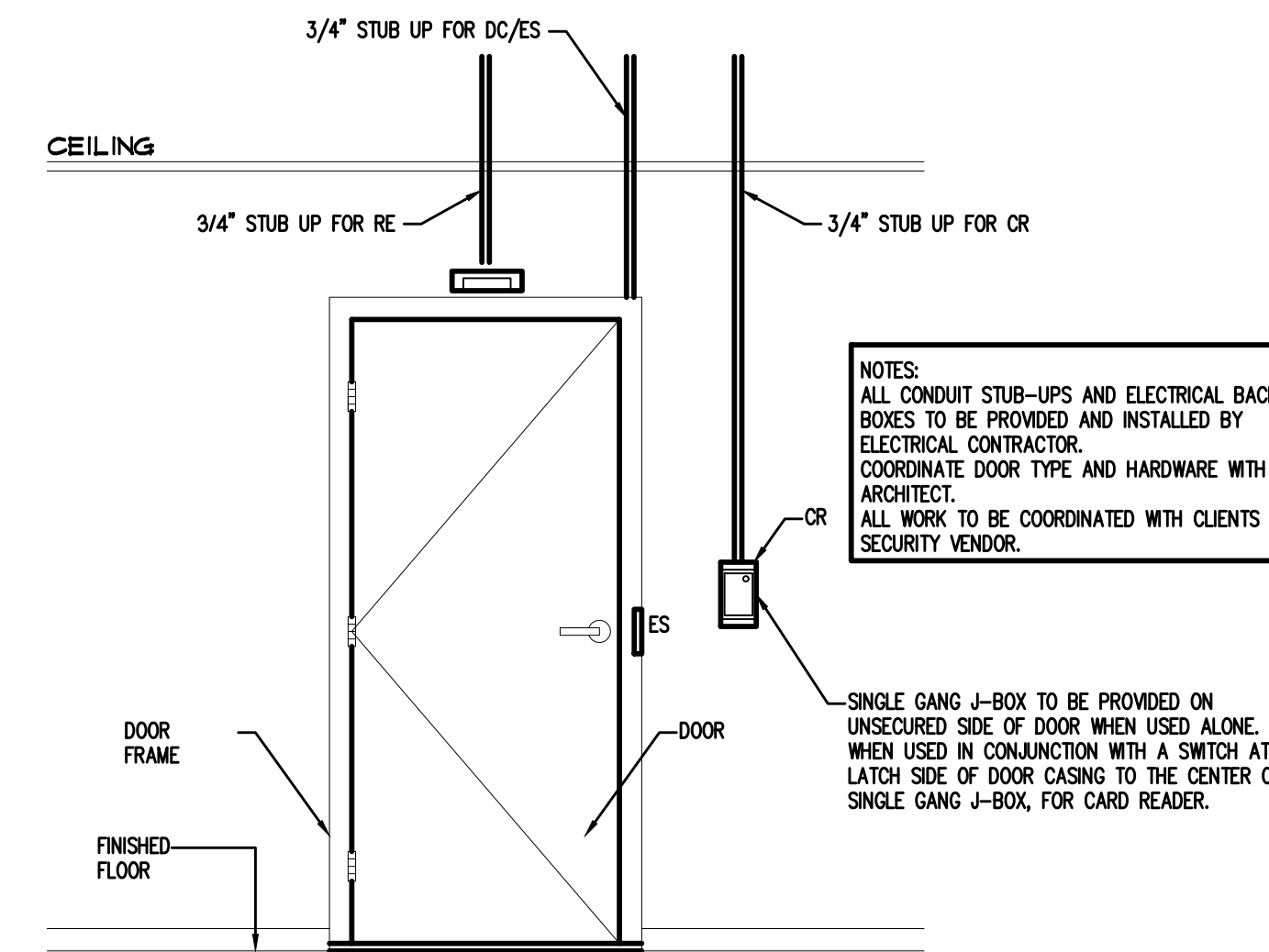
NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL ALL ASSOCIATED WIRING

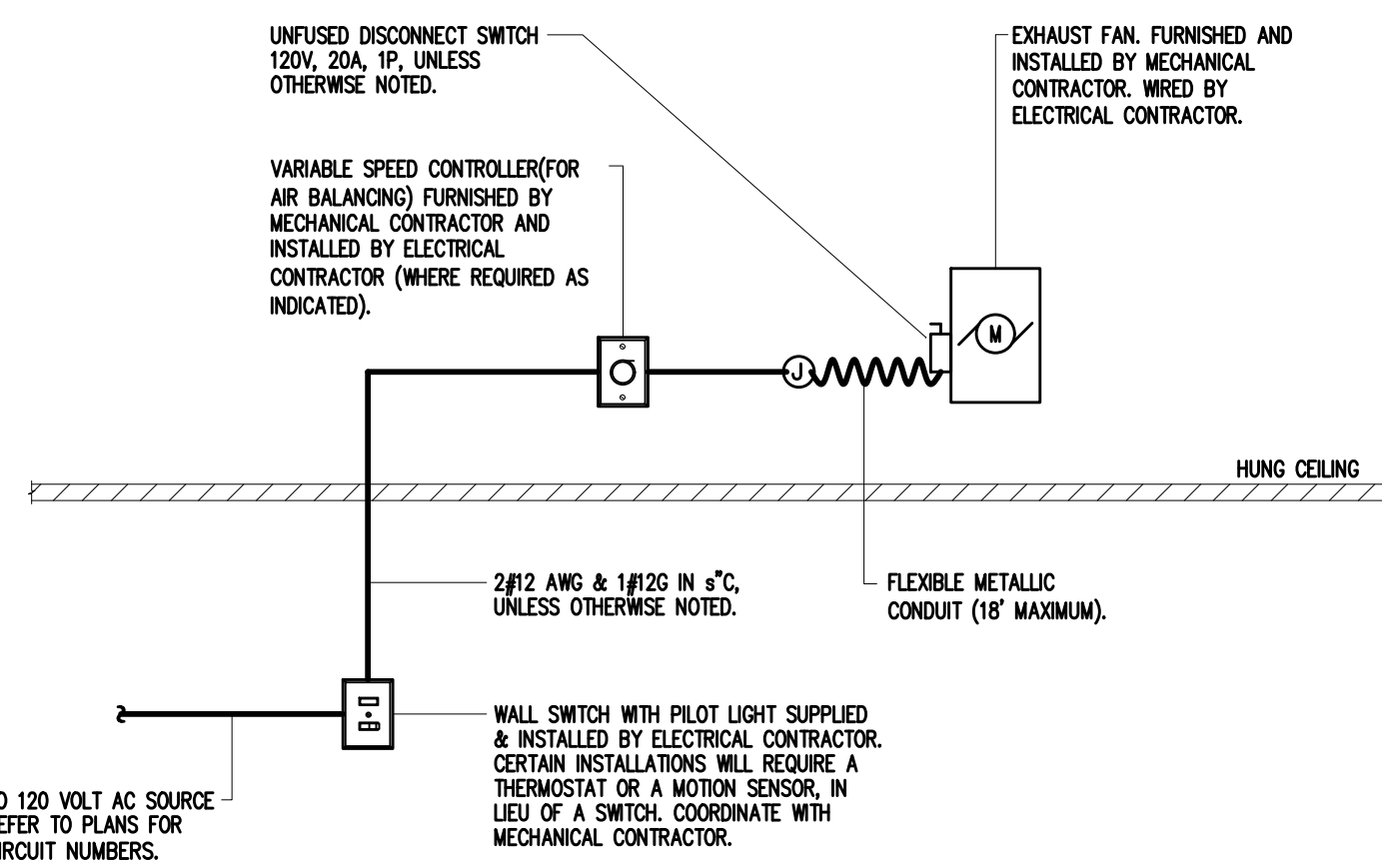
BOX TO STUD HANGER DETAIL
NOT TO SCALE



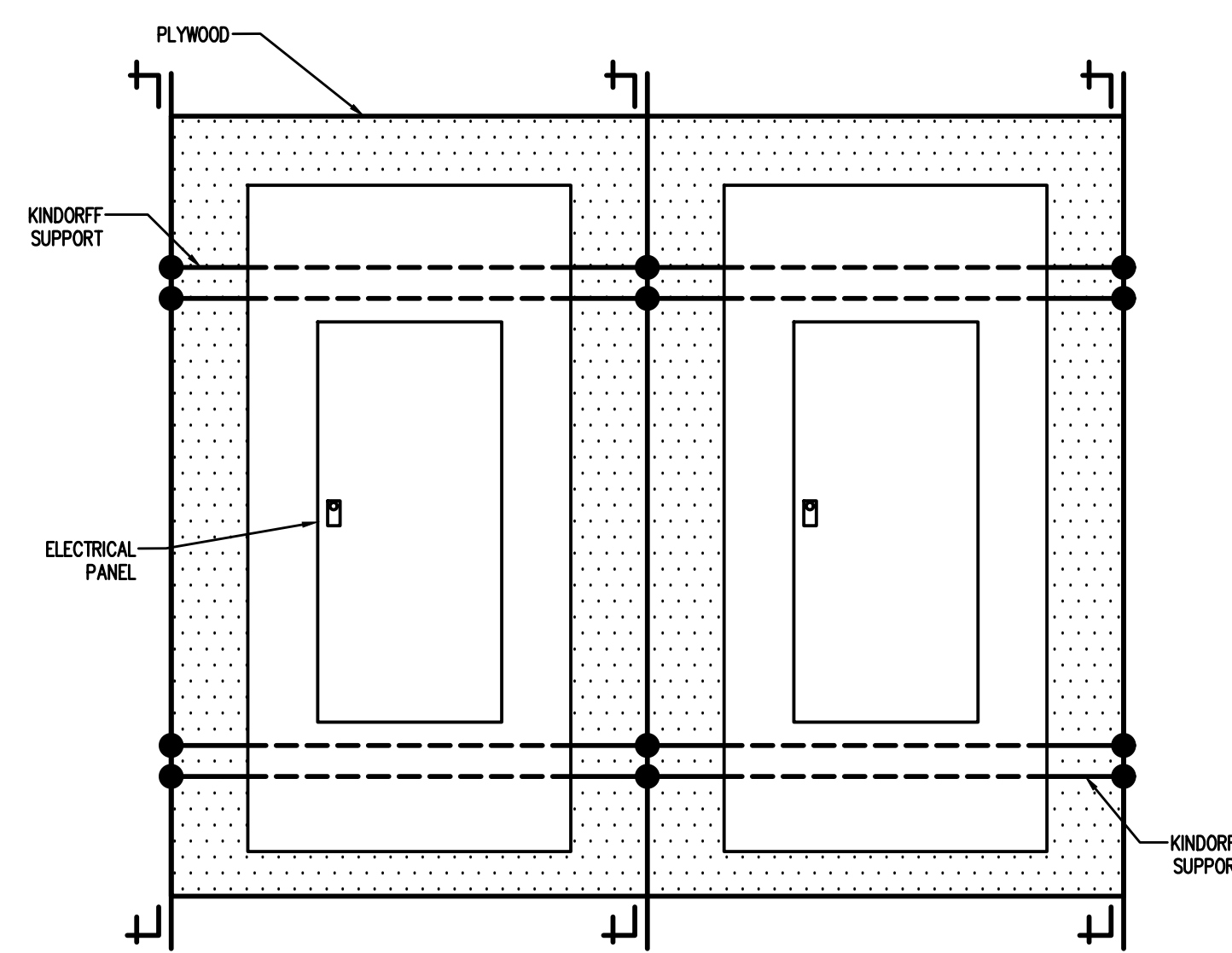
DETAIL # - PANEL WITH GUTTER TAP FROM COMMON FEEDER
NOT TO SCALE



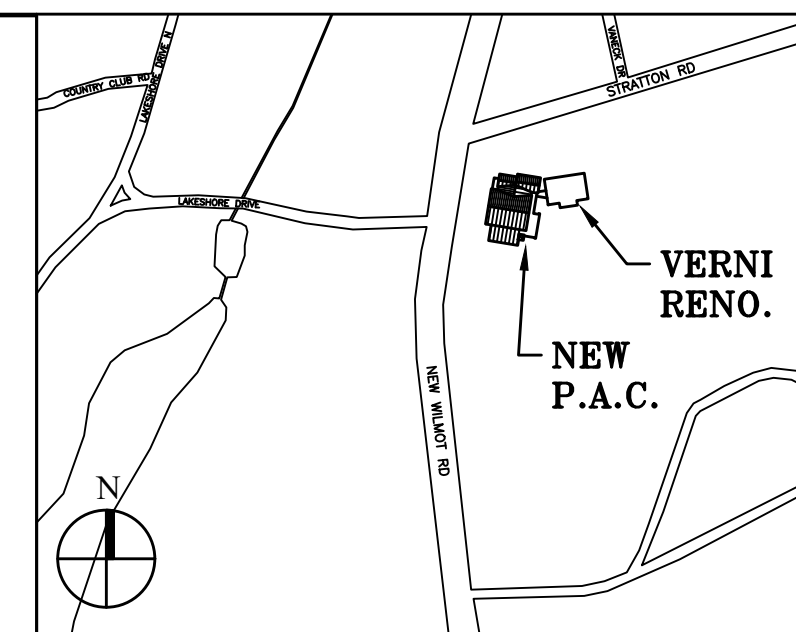
TYPICAL SINGLE DOOR WITH CARD READER, ELECTRIC STRIKE, DOOR CONTACT AND REX MOTION DETECTOR STUB-UP DETAIL
NOT TO SCALE



TYPICAL WIRING DIAGRAM FOR CEILING EXHAUST FAN
NOT TO SCALE



PANEL SUPPORT ON KINDORFF AT WINDOWS
NOT TO SCALE



Key Plan (not to scale)

No.	Date	Revision/Submission
7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE

STRUCTURAL & SITE CIVIL ENGINEER
DOMINICK R. PILLA
ASSOCIATES, P.C.
145 MAIN STREET
NYACK, NY 10960
845-727-7793

MEP ENGINEER
JMV CONSULTING
ENGINEERING, P.C.
37 W. 38 STREET, STE 703
NEW YORK, NY 10018
212-652-9855

ROOFING CONSULTANT
WATSKY ASSOCIATES
20 MADISON AVENUE
VALHALLA, NY 10595
914-945-3450

Project Title
IONA PREPARATORY SCHOOL
ADDITION AND ALTERATION TO THE
PAUL VERNI FINE ARTS CENTER

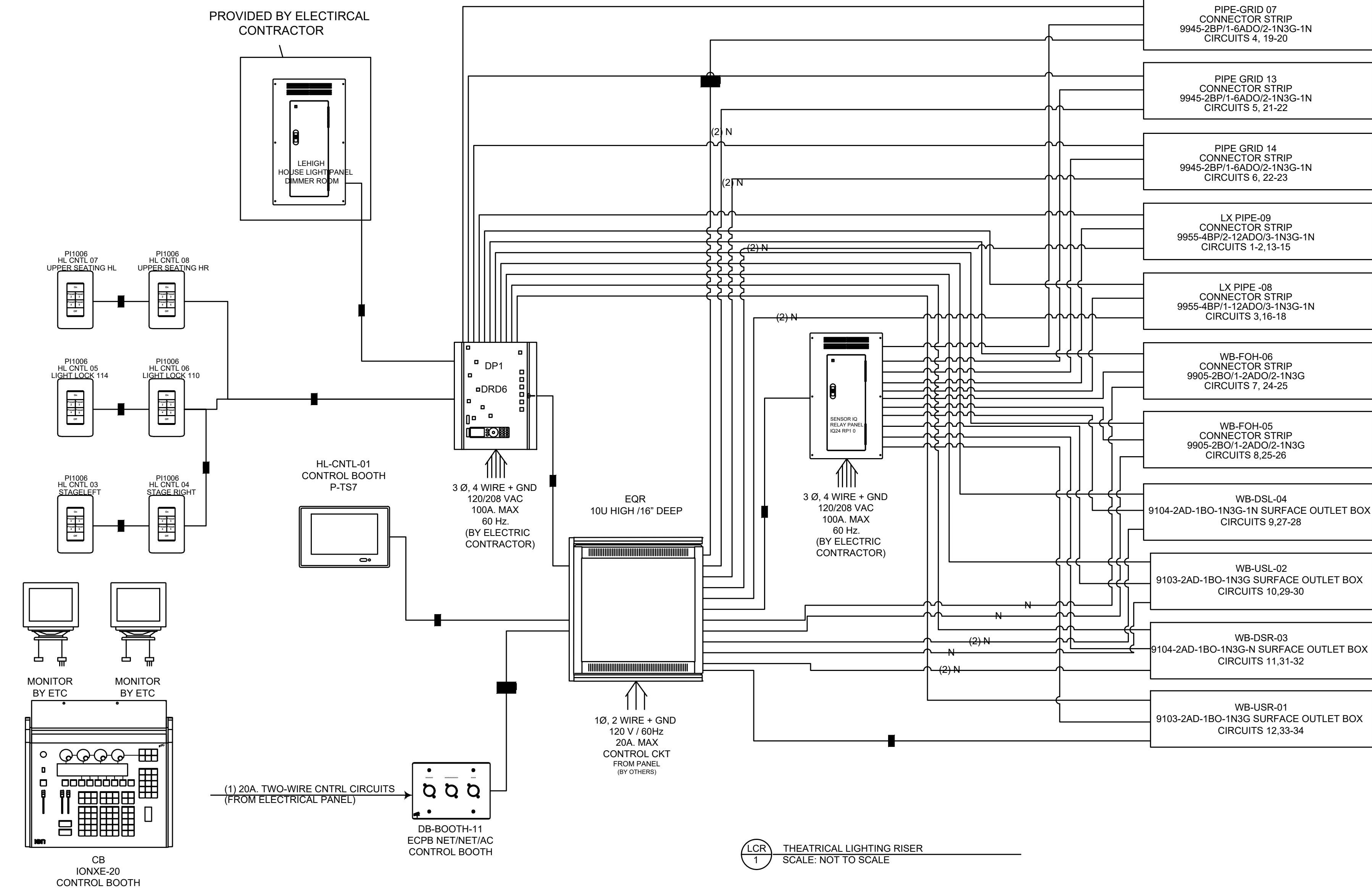
Project Address
IONA PREPARATORY SCHOOL
255 Wilmot Road
New Rochelle, NY 10804

Drawing Title
ELECTRICAL DETAILS

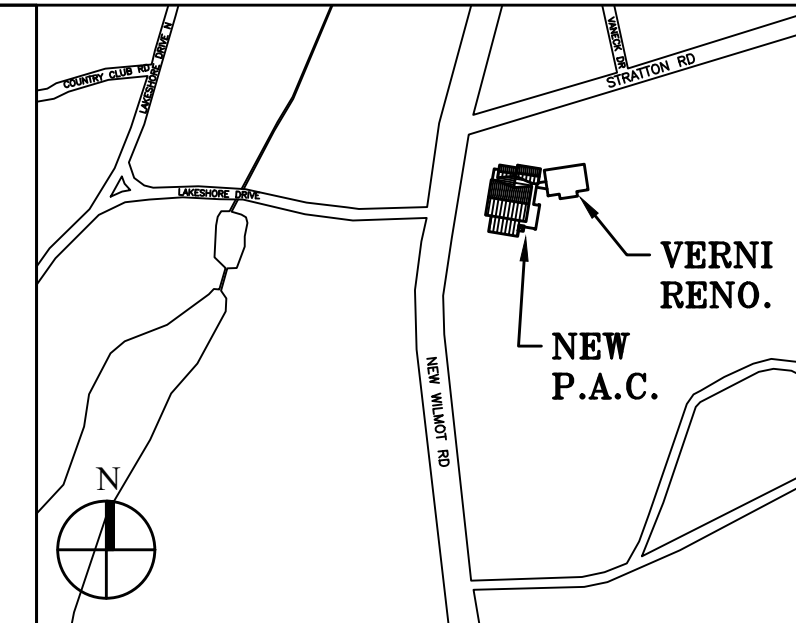
Scale	Job No.	Date	Drawing No.
NTS	1618	04/03/2019	E-401

Peter Gisolfi Associates
Architects Landscape Architects, LLP
586 Warburton Avenue
Hastings on Hudson, NY 10706
914 478 3677
PETER GISOLFI ASSOCIATES

Drawing	Location / Description	Panel/Device	Mounting	Mounting Ht. Group	Cable Type	Cable (Signal) and Description	Quantity	Originates	Terminates	Conduit Size			
Control Booth Ceiling	Main Distribution (Ceiling Mounted) 9'x9' Access Box	Hoffman ASE 12x12x6 Blank Cover ACCE-SS HATCH	Control Room Ceiling	A	Belden 9451	Single Pk 2204a. Standed w/ shield MCLINE	8	DSR @ Rack Control Room Patch v/d	Control Room Comm AVB	3/4" EMT			
				B	Belden 2412	4 Par UTP 23 Gauge CAT6	8	DSR @ Rack Control Distribution Patch Box	Control Room Patch	2" EMT			
				B	Belden 2412F	4 Par STP 23 Gauge CAT6	8	DSR @ Rack Control Distribution Patch Box	Control Room Patch				
Control Booth	Control Booth A-V Patch	Hoffman ASE4-6x4 Custom Panel	Flush in Wall	A	Belden 9451	Single Pk 2204a. Standed w/ shield MCLINE	6	Control Booth Main Data	Control Room Patch	1/2"			
				B	Belden 2412	4 Par UTP 23 Gauge CAT6	6	Control Booth Main Data	Control Room Patch	1"			
				B	Belden 2412F	4 Par STP 23 Gauge CAT6	6	Control Booth Main Data	Control Room Patch	1"			
FOH PTZ Camera	Raco 200 Custom Panel	Flush Mount in Wall Outside Booth	TBD	B	Belden 2412F	4 Par STP 23 Gauge CAT6	2	Control Booth Main Data	Control Room Patch	3/4"			
				A	Belden 9451	Single Pk 2204a. Standed w/ shield MCLINE	4	Control Booth Main Data	Control Room LX Position	1/2"			
Control Booth	Control Booth Lighting Comms	Raco 232 Custom Panel	Flush in Wall	B	Belden 2412	4 Par UTP 23 Gauge CAT6	1	Control Booth Main Data	Control Room LX Position	3/4"			
				B	Belden 2412F	4 Par STP 23 Gauge CAT6	1	Control Booth Main Data	Control Room LX Position				
				A	Belden 9451	Single Pk 2204a. Standed w/ shield MCLINE	4	Control Booth Main Data	Control Room LX Position	1/2"			
House Left Spot Light Comm	Raco 670RAC	Flush Mount in Wall Rear Control	18" AFF	A	Belden 9451	Single Pk 2204a. Standed w/ shield MCLINE	3	Control Booth Main Data	Spot Comm Patch House Left	1/2"			
				A	Belden 9451	Single Pk 2204a. Standed w/ shield MCLINE	3	Control Booth Main Data	Spot Comm Patch House Right	1/2"			
Stage Rack	Main Power Feed	Middle Atlantic Relay Power Strip	Rear Of Rack	TBD									
				20 Amp Circuit #3	Single Duplex	TBD		THRN #12 (7)	Equipment Room Power Panel	Stage Rack	TBD		
				20 Amp Circuit #3	Single Duplex	TBD	C	Belden 2412	4 Par UTP 23 Gauge CAT6	1	Equipment Room Power Panel	Stage Rack	TBD
				20 Amp Circuit #4	Single Duplex	TBD	C	Belden 2412	4 Par UTP 23 Gauge CAT6	1	Equipment Room Power Panel	Stage Rack	TBD
				20 Amp Circuit #5	Single Duplex	TBD	C	Belden 2412	4 Par UTP 23 Gauge CAT6	1	Equipment Room Power Panel	Stage Rack	TBD
				20 Amp Circuit #5	Single Duplex	TBD	C	Belden 2412	4 Par UTP 23 Gauge CAT6	1	Equipment Room Power Panel	Stage Rack	TBD
				20 Amp Circuit #6	Single Duplex	TBD	C	Belden 2412	4 Par UTP 23 Gauge CAT6	1	Equipment Room Power Panel	Stage Rack	TBD
Downstage Right	Down Stage Right	Hoffman ASE4-4x4 Custom Panel	Surface Mount	18" AFF	A	Belden 9451	Single Pk 2204a. Standed w/ shield MCLINE	4	DSR @ Rack DSR Patch Position	1/2"			
				18" AFF	B	Belden 2412	4 Par UTP 23 Gauge CAT6	1	DSR @ Rack DSR Patch Position	3/4"			
Downstage Left	Down Stage Left	Hoffman ASE4-4x4 Custom Panel	Surface Mount	18" AFF	A	Belden 9451	Single Pk 2204a. Standed w/ shield MCLINE	4	DSR @ Rack DSR Patch Position	1/2"			
				18" AFF	B	Belden 2412F	4 Par STP 23 Gauge CAT6	1	DSR @ Rack DSR Patch Position	3/4"			
Upstage Right	Upstage Right	Hoffman ASE4-4x4 Custom Panel	Surface Mount	18" AFF	A	Belden 9451	Single Pk 2204a. Standed w/ shield MCLINE	4	DSR @ Rack DSR Patch Position	1/2"			
				18" AFF	B	Belden 2412F	4 Par STP 23 Gauge CAT6	1	DSR @ Rack DSR Patch Position	3/4"			
Upstage Left	Upstage Left	Hoffman ASE4-4x4 Custom Panel	Surface Mount	18" AFF	A	Belden 9451	Single Pk 2204a. Standed w/ shield MCLINE	4	DSR @ Rack DSR Patch Position	1/2"			
				18" AFF	B	Belden 2412F	4 Par STP 23 Gauge CAT6	1	DSR @ Rack DSR Patch Position	3/4"			
Downstage Center	Downstage Center	Proco Stage Box Custom Panel	Flush Mount in Stage	Recessed Finished Floor	A	Belden 9451	Single Pk 2204a. Standed w/ shield MCLINE	4	DSR @ Rack DSR Patch Position	1/2"			
				Recessed Finished Floor	B	Belden 2412F	4 Par STP 23 Gauge CAT6	1	DSR @ Rack DSR Patch Position	3/4"			
Projector	Upstage Center	Raco 891 Custom Panel	Surface Mount	Ceiling Mount Upstage Center	A	Belden 2412F	4 Par STP 23 Gauge CAT6	2	DSR @ Rack Upstage Center Ceiling	3/4"			
				20 Amp Circuit #12	Quad Box with Dual Duplex	Surface Mount	Ceiling Mount Upstage Center		THRN #12 (7)	Equipment Room Power Panel	Upstage Center Ceiling	TBD	
Projection Screen	Downstage Center (Electrical Connection Downstage Right)	Hardwired to Res Conduit	Hardwired to Res Conduit	Hardwired to Res Conduit	Hardwired to Res Conduit	Hardwired to Res Conduit	Hardwired to Res Conduit	Hardwired to Res Conduit	Equipment Room Power Panel	Downstage Right Ceiling	Flexible Conduit		
Array Left	Proscaum Left Wall	Raco 260 Custom Panel	Flush Mount in Proscaum Wall	240" AFF (200")	E	Belden 6000UE	2 Cond 12 AWG Speaker Wire	8	DSR @ Rack Proscaum Plug Box	1"			
				240" AFF (200")	E	Belden 6000UE	2 Cond 12 AWG Speaker Wire	8	DSR @ Rack Proscaum Plug Box	1"			
Cluster	Proscaum Center Wall	Raco 260 Custom Panel	Flush Mount in Proscaum Wall	216" AFF (187")	E	Belden 6000UE	2 Cond 12 AWG Speaker Wire	4	DSR @ Rack Proscaum Plug Box	3/4"			
Surround Left FRONT REAR 2	Theater Left Wall (x3)	Raco 801 Groutmat Panel	Flush Mount in Side Wall	120" AFF (101)	B	Belden 6100UE	2 Cond 14 AWG Speaker Wire	4 (2 Cables Pass Through to Rear Surround 1)	DSR @ Rack Surround Front	3/4"			
				168" AFF (141)	B	Belden 6100UE	2 Cond 14 AWG Speaker Wire	2	DSR @ Rack Surround Rear 1	1/2"			
				192" AFF (161)	B	Belden 6100UE	2 Cond 14 AWG Speaker Wire	1	Surround Rear 1	Surround Rear 2	1/2"		
Surround Right FRONT REAR 2	Theater Right Wall (x3)	Raco 801 Groutmat Panel	Flush Mount in Side Wall	120" AFF (101)	B	Belden 6100UE	2 Cond 14 AWG Speaker Wire	4 (2 Cables Pass Through to Rear Surround 1)	DSR @ Rack Surround Front	3/4"			
				168" AFF (141)	B	Belden 6100UE	2 Cond 14 AWG Speaker Wire	2	DSR @ Rack Surround Rear 1	1/2"			
				192" AFF (161)	B	Belden 6100UE	2 Cond 14 AWG Speaker Wire	1	Surround Rear 1	Surround Rear 2	1/2"		
Classroom	Classroom Wall TBD	Raco 232 Custom Panel	Flush Mount in Wall (TBD)	72" AFF (61)	B	Belden 2412F		1	Control Booth Main Data	1"			
				20 Amp Circuit #13	Quad Box with Dual Duplex	72" AFF next to LV Box		THRN #12 (7)	Equipment Room Power Panel	Classroom Wall TBD	TBD		



- DIMMING SYSTEM NOTES:**
- CONTRACTOR TO COORDINATE LOCATIONS OF ALL EQUIPMENT AS INDICATED: RACKS, DIMMING CONTROL ZONE DEVICES WITH LIGHTING CONSULTANT, AV CONSULTANT AND ARCHITECT.
 - ARCHITECT TO VERIFY QUANTITY, LOCATION AND MOUNTING HEIGHTS OF ALL CONTROL PADS WITH LIGHTING AND AV CONSULTANTS.
 - COORDINATE ALL INTERFACE REQUIREMENTS WITH LIGHTING AV CONSULTANTS.
 - ALL STYLE, FINISH AND TRIM FOR FACEPLATES, RECEPTACLES, DIMMER AND SWITCH CONTROLS, CABLE AND PHONE JACKS, ETC. TO BE AS DIRECTED BY SCHOOL PERSONNEL AND ARCHITECT.
 - COORDINATE ALL HARDWARE AND ACCESSORIES WITH LIGHTING CONSULTANT AND AV CONSULTANT FOR A COMPLETE INSTALLATION. COORDINATE INSTALLATIONS WITH MANUFACTURER WIRING DIAGRAMS PROVIDED THROUGH CONSULTANTS.
 - COORDINATE WIRING FOR ALL ZONES AND CONTROLS FOR CIRCUITING ARRANGEMENT WITH LIGHTING CONSULTANTS DIMMING SCHEDULES.
- FINAL LOCATION AND LABELING OF ALL SWITCH CONTROLS TO BE COORDINATED WITH SCHOOL PERSONNEL, ARCHITECT AND LIGHTING CONTROLS CONSULTANT.
 - LOCATION AND MOUNTING HEIGHTS OF ALL PANELS AND EQUIPMENT TO BE VERIFIED. ALL ITEMS NOT TO SCALE.
 - CONTRACTOR TO CONFIRM AND MAINTAIN CODE CLEARANCES FOR ALL ELECTRICAL EQUIPMENT, LIGHTING CONTROLS AND AV SYSTEM RACKS AND PANELS.



No.	Date	Revision/Submission
7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE

STRUCTURAL & SITE CIVIL ENGINEER
DOMINICK R. PILLA
 ASSOCIATES, P.C.
 145 MAIN STREET
 NYACK, NY 10960
 845-727-7793

MEP ENGINEER
JMV CONSULTING
 ENGINEERING, P.C.
 37 W. 38 STREET, STE 703
 NEW YORK, NY 10018
 212-652-9855

ROOFING CONSULTANT
WATSKY ASSOCIATES
 20 MADISON AVENUE
 VALHALLA, NY 10595
 914-945-3450

Stamp

Project Title
 IONA PREPARATORY SCHOOL
 ADDITION AND ALTERATION TO THE
 PAUL VERNI FINE ARTS CENTER

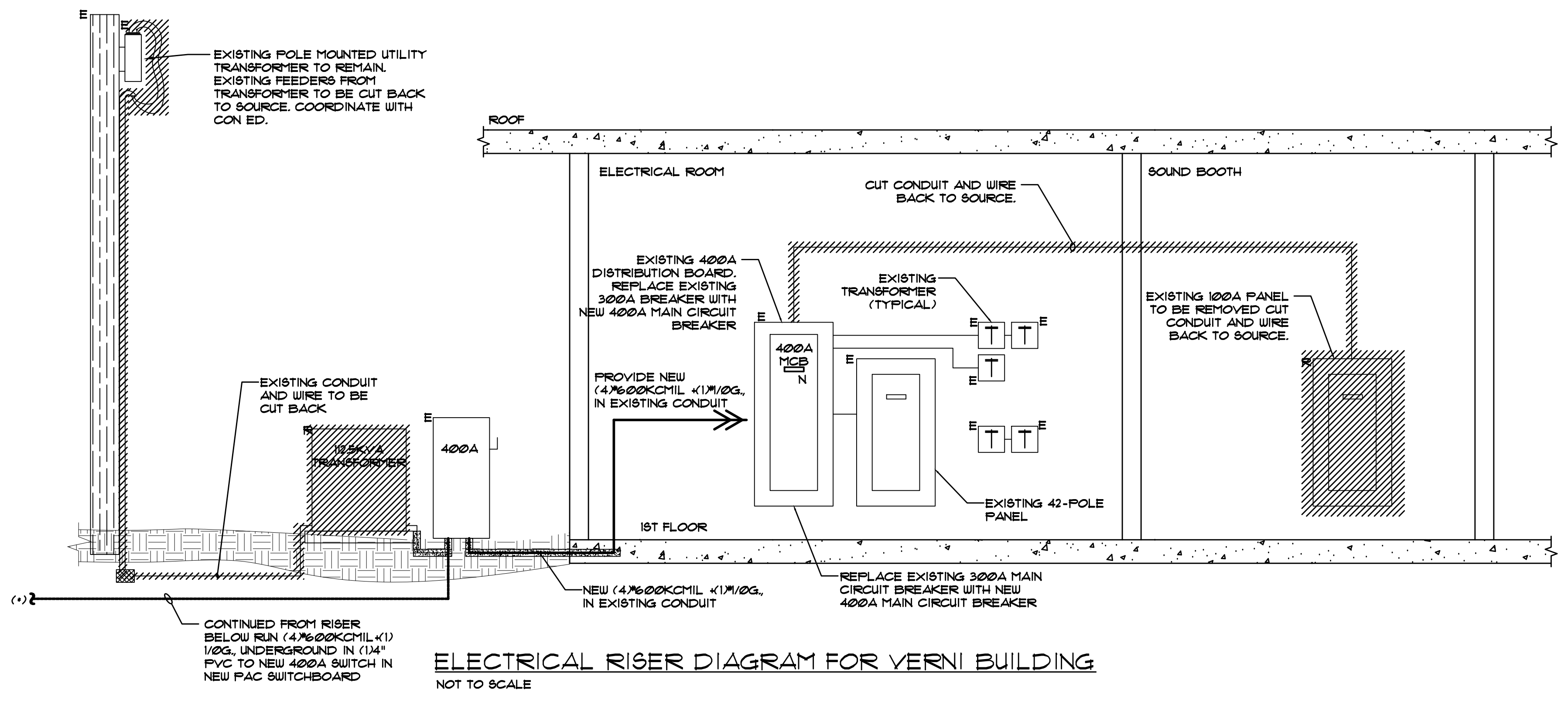
Project Address
 IONA PREPARATORY SCHOOL
 255 Wilmot Road
 New Rochelle, NY 10804

Drawing Title
 THEATER WIRING DETAILS

Scale Job No. Date Drawing No.
 NTS 1618 04/03/2019 E-402

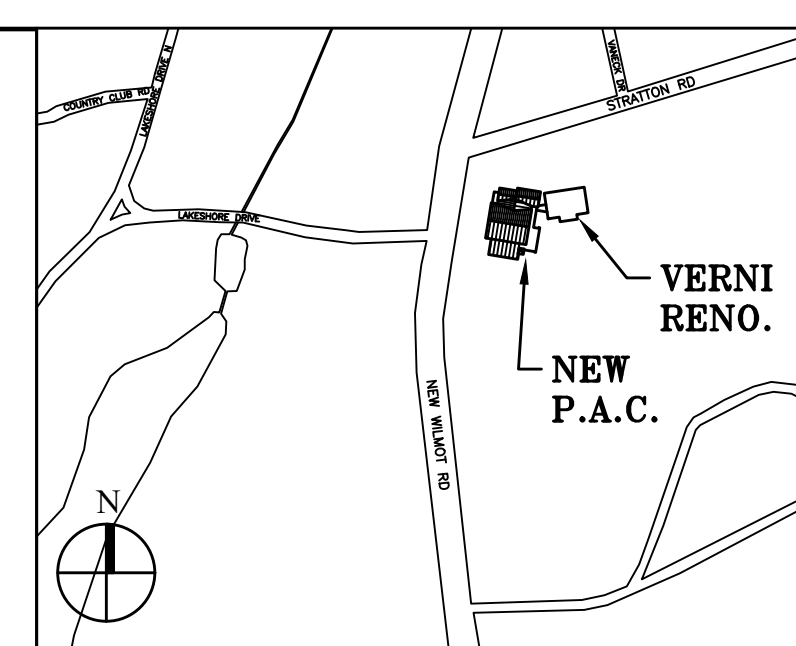
Peter Gisolfi Associates
 Architects Landscape Architects, LLP
 586 Warburton Avenue
 Hastings on Hudson, NY 10706
 914 478 3677

PETER GISOLFI ASSOCIATES

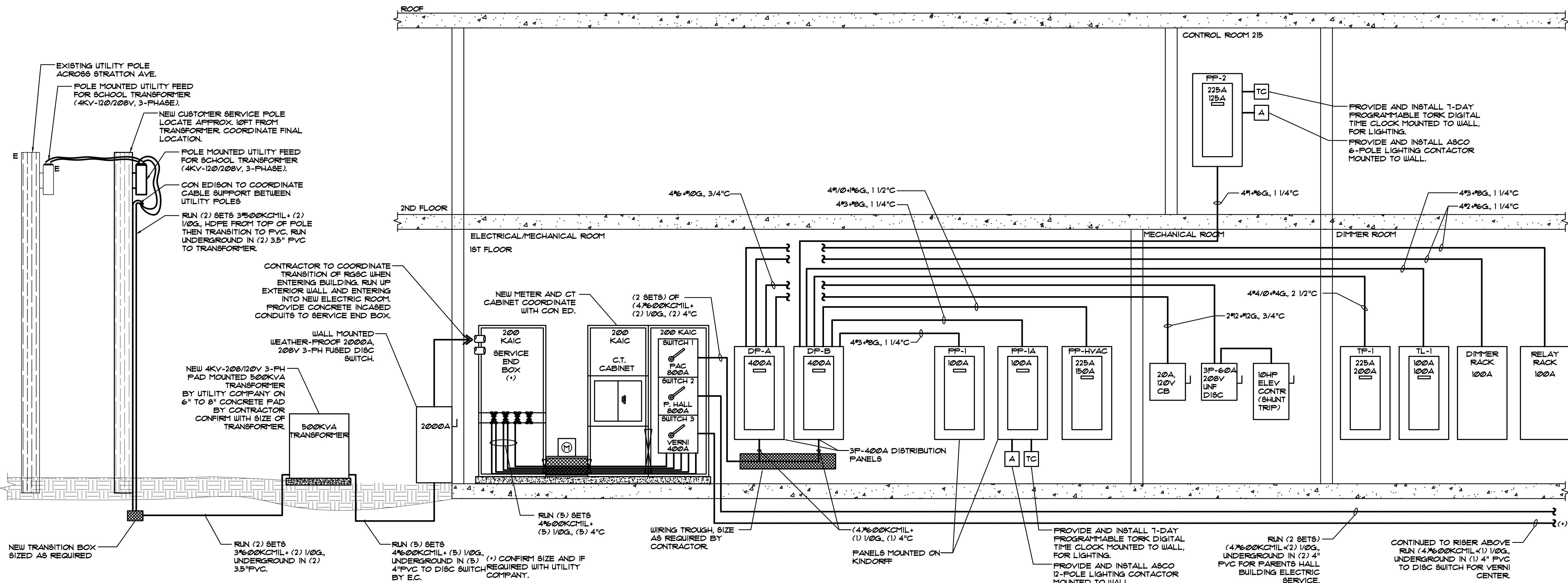


ELECTRICAL RISER DIAGRAM FOR VERNI BUILDING
NOT TO SCALE

- ELECTRICAL RISER DIAGRAM NOTES:**
- RISER DIAGRAM IS DIAGRAMMATIC. CONTRACTOR SHALL PERFORM A PRE-DEMOLITION OR CONSTRUCTION SURVEY OF THE EXISTING CIRCUITING AND PANELBOARDS SERVING THE EXISTING SPACE.
 - CIRCUITING AND CIRCUIT BREAKERS IN EXISTING PANELBOARDS, NOT EFFECTED BY DEMOLITION SHALL REMAIN UNLESS NOTED. CONTRACTOR TO TRACE AND FIELD VERIFY EXISTING CIRCUITS THAT ARE TO REMAIN OR BE RELOCATED WITH PANEL. EXTEND/TRANSFER CIRCUITS BEING RELOCATED WITH EXISTING PANEL TO NEW LOCATIONS AS REQUIRED.
 - EXISTING PANELBOARDS, CIRCUITRY, CIRCUIT BREAKERS, MISC. EQUIPMENT, ETC. NOT AFFECTED BY DEMOLITION SHALL REMAIN UNLESS NOTED. CONTRACTOR TO TRACE AND FIELD VERIFY EXISTING CIRCUITS THAT ARE TO REMAIN OR RELOCATED WITH PANELS.
 - CONTRACTOR SHALL PROVIDE AND INSTALL FULL BOXES AND EXTEND EXISTING WIRING/CONDUIT AS REQUIRED FOR CONNECTION OF NEW/EXISTING CIRCUITS TO PANELS.
 - REFER TO NEW/EXISTING PANEL SCHEDULES ON DRAWING E-601 FOR BRANCH CIRCUIT WIRING.
 - CONTRACTOR SHALL REVIEW EXISTING ELECTRIC CLOSET CONDITIONS AND ADVISE ENGINEER OF ANY CONFLICTS OMISSIONS OR ADDITIONAL REQUIREMENTS THAT MAY BE REQUIRED.
 - CONTRACTOR TO PROVIDE SHOP DRAWINGS OF COORDINATED ELECTRICAL ROOM LAYOUTS INCLUDING EQUIPMENT SIZES, ELEVATIONS AND MOUNTING DETAILS OF PANELBOARDS, RELAY PANELS, DISCONNECT SWITCHES, ETC.
 - CONTRACTOR SHALL COORDINATE NEW CONDUIT ROUTINGS WITH ARCHITECT SERVING NEW AND EXISTING EQUIPMENT SCHEDULED TO REMAIN.



Key Plan (not to scale)



ELECTRICAL RISER DIAGRAM FOR NEW PERFORMING ARTS CENTER (PAC)
NOT TO SCALE

7.	6/01/2021	ISSUED FOR BID
6.	5/07/2021	RE-ISSUED FOR BUILDING PERMIT REVIEW
5.	2/01/2021	ISSUED FOR BUILDING PERMIT REVIEW
4.	10/14/2020	ISSUED FOR PLANNING BOARD REVIEW
3.	9/23/2020	RESUBMITTED FOR ZONING REVIEW
2.	8/28/2020	ISSUED FOR PRELIMINARY DOB REVIEW
1.	1/10/2020	ISSUED FOR DD ESTIMATE
No.	Date	Revision/Submission
STRUCTURAL & SITE CIVIL ENGINEER		
DOMINICK R PILLA ASSOCIATES, P.C. 143 MAIN STREET NYACK, NY 10960 845-727-7793		
MEP ENGINEER		ROOFING CONSULTANT
JMV CONSULTING ENGINEERING, P.C. 37 W. 38 STREET, STE 703 NEW YORK, NY 10018 212-652-9855		WATSKY ASSOCIATES 20 MADISON AVENUE VALHALLA, NY 10595 914-945-3450
Stamp		

Project Title
**IONA PREPARATORY SCHOOL
ADDITION AND ALTERATION TO THE
PAUL VERNI FINE ARTS CENTER**

Project Address
**IONA PREPARATORY SCHOOL
255 Wilmot Road
New Rochelle, NY 10804**

Drawing Title
**ELECTRICAL RISER
DIAGRAM**

Scale	Job No.	Date	Drawing No.
NTS	1818	04/03/2019	E-501

Drawn
**Peter Gisolfi Associates
Architects Landscape Architects, LLP**
588 Warburton Avenue
Hastings on Hudson, NY 10706
914 478 3877

PETER GISOLFI ASSOCIATES

DISTRIBUTION BOARD SCHEDULE PAC (NEW)								
DISTRIBUTION BOARD DESIGNATION	CKT NO.	SERVING	POLES	FEEDER SIZE	COND	FRAME	CB TRIP	REMARKS
DP-A 400A BUS 400A MCB 120/208V, 3PH 4W + G 200 KAIC	1	ACCU-5	3	3/8" + #0G, RG5C	1 1/4"	100	30	PVC FOR UNDERGROUND LOCATION
	2	ACCU-6	3	3/8" + #0G, RG5C	1"	100	60	PVC FOR UNDERGROUND LOCATION
	3	DIMMER CONTROL PANEL	3	4/2" + #0G,	1 1/4"	100	100	-
	4	ELEVATOR DISCONNECT	3	4/2" + #0G,	3/4"	60	40	-
	5	ACCU-3	3	3/8" + #0G, RG5C	3/4"	60	35	PVC FOR UNDERGROUND LOCATION
	6	ACCU-4	3	3/8" + #0G, RG5C	3/4"	60	35	PVC FOR UNDERGROUND LOCATION
	7	ELEVATOR CAB LIGHTING	2	2/2" + #0G,	3/4"	30	30	-
	8	RELAY PANEL	3	4/2" + #0G,	1 1/4"	100	100	-
	9	SPARE	3	-	-	-	-	-
	10	SPARE	3	-	-	-	-	-

DISTRIBUTION BOARD SCHEDULE PAC (NEW)								
DISTRIBUTION BOARD DESIGNATION	CKT NO.	SERVING	POLES	FEEDER SIZE	COND	FRAME	CB TRIP	REMARKS
DP-B 400A BUS 400A MCB 120/208V, 3PH 4W + G 200 KAIC	1	FP-1	3	4/3" + #0G	1 1/4"	100	100	-
	2	FP-1A	3	4/3" + #0G	1 1/4"	100	100	-
	3	FP-2	3	4/4" + #0G	1 1/4"	200	125	-
	4	TL-1	3	4/3" + #0G,	1 1/4"	100	60	-
	5	TP-1	3	4/4" + #0G	2 1/2"	200	200	-
	6	FP-HVAC	3	4/4" + #0G	1 1/2"	200	150	-
	7	ACCU-1	3	3/8" + #0G, RG5C	1"	100	10	PVC FOR UNDERGROUND LOCATION
	8	ACCU-2	3	3/8" + #0G, RG5C	1"	100	10	PVC FOR UNDERGROUND LOCATION
	9	SPARE	3	-	-	-	-	-
	10	SPARE	3	-	-	-	-	-

PP-VERNI (EXISTING)																		
Circuit Description		Lighting	Receptacles	Other Motors	Appliances	Equipment	Emergency	A	B	C	Panel Bus	Lighting	Receptacles	Other Motors	Appliances	Equipment	Circuit Description	
DIGITAL MEDIA OUTLET		1440						20A	1	-	2	20A	720				PROD. RM RECEP.	
DIGITAL MEDIA OUTLET		720						20A	3	-	4	20A	1080				PROD. RM RECEP.	
DIGITAL MEDIA OUTLET		1080						20A	5	-	6	20A	1080				PROD. RM RECEP.	
TV STUDIO OUTLET		1080						20A	7	-	8	20A	900				RM 154 RECEP.	
TV STUDIO OUTLET		1080						20A	9	-	10	20A	900				RM 154 RECEP.	
TV STUDIO OUTLET		1080						20A	11	-	12	20A	900				RM 167 RECEP.	
PERF 150 RECEP.		1260						20A	13	-	14	20A	900				RM 167 RECEP.	
PERF 150 RECEP.		1080						20A	15	-	16	20A	720				CORRIDOR RECEP.	
PERF 150 RECEP.		1080						20A	17	-	18	20A	1440				OFFICE RECEP.	
EXISTING								20A	19	-	20	20A					EXISTING	
EXISTING								20A	21	-	22	20A					EXISTING	
EXISTING								20A	23	-	24	20A					EXISTING	
EXISTING								20A	25	-	26	20A					EXISTING	
EXISTING								20A	27	-	28	20A					EXISTING	
EXISTING								20A	29	-	30	20A					EXISTING	
EXISTING								20A	31	-	32	20A					EXISTING	
EXISTING								20A	33	-	34	20A					EXISTING	
EXISTING								20A	35	-	36	20A					EXISTING	
EXISTING								20A	37	-	38	20A					EXISTING	
EXISTING								20A	39	-	40	20A					EXISTING	
EXISTING								20A	41	-	42	20A					EXISTING	
SPARE								20A	43	-	44	20A					EXISTING	
Total		0	9300	0	0	0	0	Loads in			0	0	0	0	0	0	Total	
Load Summary		D.F.	Demand Load	Notes:			Panel Load Summary			Load Summary			Notes:			Panel Load Summary		
Lighting			0.0 KVA	1.00	0.0 KVA					Load Summary			18.5 KVA					
Receptacle (First 10kW)			10.0 KVA	1.00	10.0 KVA					Design Load			13.0 KVA					
Receptacle (Remainder)			8.5 KVA	0.35	3.0 KVA					Demand Load			13.0 KVA					
Largest Motor			0.0 KVA	1.00	0.0 KVA					Demand Load			44.6 KVA					
Other Motors			0.0 KVA	1.00	0.0 KVA					Demand Load			44.6 KVA					
Appliances			0.0 KVA	0.65	0.0 KVA					Demand Load			6.3 KVA					
Equipment			0.0 KVA	1.00	0.0 KVA					Demand Load			5.8 KVA					
Sub-feed			KVA	1.00	0.0 KVA					Demand Load			6.7 KVA					
Feed thru			KVA	1.00	0.0 KVA					Demand Load			6.7 KVA					
Total Load (KVA)			18.5 KVA		13.0 KVA					Demand Load			13.0 KVA					
Total Load (Amps)			81.2 AMP		58.2 AMP					Demand Load			58.2 AMP					
Design Load (Amps)			63.2 AMP		46.2 AMP					Demand Load			46.2 AMP					
Spare (Amps)			123.9 AMP		89.9 AMP					Demand Load			89.9 AMP					

PROVIDE NEW 1P-20A CIRCUIT BREAKER

DISTRIBUTION BOARD SCHEDULE PAC (NEW)								
DISTRIBUTION BOARD DESIGNATION	CKT NO.	SERVING	POLES	FEEDER SIZE	COND	FRAME	CB TRIP	REMARKS
DP-B 400A BUS 400A MCB 120/208V, 3PH 4W + G 200 KAIC	1	FP-1	3	4/3" + #0G	1 1/4"	100	100	-
	2	FP-1A	3	4/3" + #0G	1 1/4"	100	100	-
	3	FP-2	3	4/4" + #0G	1 1/4"	200	125	-
	4	TL-1	3	4/3" + #0G,	1 1/4"	100	60	-
	5	TP-1	3	4/4" + #0G	2 1/2"	200	200	-
	6	FP-HVAC	3	4/4" + #0G	1 1/2"	200	150	-
	7	ACCU-1	3	3/8" + #0G, RG5C	1"	100	10	PVC FOR UNDERGROUND LOCATION
	8	ACCU-2	3	3/8" + #0G, RG5C	1"	100	10	PVC FOR UNDERGROUND LOCATION
	9	SPARE	3	-	-	-	-	-
	10	SPARE	3	-	-	-	-	-

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PROVIDE NEW 1P-20A CIRCUIT BREAKER

PP-1 (NEW)																		
Circuit Description		Lighting	Receptacles	Other Motors	Appliances	Equipment	Emergency	A	B	C	Panel Bus	Lighting	Receptacles	Other Motors	Appliances	Equipment	Circuit Description	
ROOM 125 RECEP.		720						20A	1	-	2	20A	720				HALL RECEPT.	
ROOM 121 RECEP.		1080						20A	3	-	4	20A	1080				HALL WATER FOUNT.	
ROOM 121 RECEP.		900						20A	5	-	6	20A	900				SUMP PUMP	
HALL RECEPT.		1260						20A	7	-	8	20A	360				ELEVATOR RECEP.	
HALL RECEPT.		720						20A	9	-	10	20A	540				OFFICE 111 RECEP.	
RM 112 RECEP.		900						20A	11	-	12	20A					SPARE	
OFFICE 113 RECEP.		720						20A	13	-	14	20A					SPARE	
ROOM 120 RECEP.		720						20A	15	-	16	20A					SPARE	
ROOM 120 RECEP.		900						20A	17	-	18	20A	360				ROOM 115 RECEP.	
MECH ROOM 127		360						20A	19	-	20	20A	720				ROOM 122 RECEP.	
MECH ROOM 122		1080						20A	21	-	22	20A	720				SPARE	
BATHROOM RECEP.		900						20A	23	-	24	20A					SPARE	
BLOCK CONTROLLER		200						20A	25	-	26	20A					SPARE	
ACCESS LIFT GATE		170						20A	27	-	28	20A	1500				ECHS	
ROOF RECEP.		360						20A	29	-	30	20A	1200				MICROWAVE	
ROOF RECEP.		170						20A	31	-	32	20A	900				REFRIGERATOR	
ROOF RECEP.		360						20A	33	-	34	20A	180				SPARE	
ROOF RECEP.		360						20A	35	-	36	20A	1200				CLOCK RECEPT.	
ROOF RECEP.		360						20A	37	-	38	20A					SPARE	
ROOF RECEP.		360						20A	39	-	40	20A					SPARE	
ROOF RECEP.		360						20A	41	-	42	20A					SPARE	
Total		0	18600	0	0	0	0	Loads in			0	4880	0	3000	2800	1400	Total	
Load Summary		D.F.	Demand Load	Notes:			Panel Load Summary			Load Summary			Notes:			Panel Load Summary		
Lighting			0.0 KVA	1.00	0.0 KVA					Load Summary			22.8 KVA					
Receptacle (First 10kW)			10.0 KVA	1.00	10.0 KVA					Design Load			30.0 KVA					
Receptacle (Remainder)			8.5 KVA	0.35	3.0 KVA					Demand Load			15.5 KVA					
Largest Motor			0.0 KVA	1.00	0.0 KVA					Demand Load			11.5 KVA					
Other Motors			0.0 KVA	1.00	0.0 KVA					Demand Load			11.5 KVA					
Appliances			2.3 KVA	0.65	1.5 KVA					Demand Load			6.8 KVA					
Equipment			2.2 KVA	1.00	2.2 KVA					Demand Load			6.8 KVA					
Sub-feed			KVA	1.00	0.0 KVA					Demand Load			6.9 KVA					