

Re BID NO.: 641

PROJECT NAME & LOCATION Advanced Science Research Center 85 St. Nicholas Terrace New York, NY 10027

Description: Furnish, Deliver and Install Laser Curtains Bid Open Location: DASNY 515 Broadway Albany, New York Bid Open Date: October 10, 2019

Bid Open Time: 2:30PM

Contact: Theresa Graffeo at (518) 257-3583

NOTICE TO BIDDERS

MAIL BIDS EARLY

Sealed bids will be received by DASNY at the above address for the items listed in the attached Bid Breakdown and Schedule. When submitting your bid you must:

- 1. Prepare your bid on the attached Bid Breakdown and Schedule. Return one signed original of the Bid Breakdown and Schedule
- 2. If your bid deviates from Specifications, explain such deviations or qualifications on your letterhead, setting forth therein such explanations, and attach them to the Bid Breakdown and Schedule.
- 3. Submission of a bid constitutes full knowledge and acceptance of all provisions of the Notice to Bidders, all information referenced in the Purchasing General Conditions, Supplemental and Detailed Specifications, the Bid Submission and any Supplemental General Requirements contained herein, as well as any addenda issued in relation to the Invitation for Bids.

4. Each bid shall bear on the outside of the envelope the name of the bidder, address, telephone number and designated as a bid for the following:
DASNY Re Bid No. 641
Bid Opening Date: 10/10/2019 @ 2:30PM
Return to:
DASNY
Attn: Purchasing Unit
515 Broadway
Albany, NY 12207-2964



Re Bid No.: 641

When a sealed bid is placed inside another delivery jacket, the bid delivery jacket must be clearly marked on the outside **"BID ENCLOSED"** and **"ATTENTION: PURCHASING UNIT"**. The Dormitory Authority will not be responsible for receipt of bids which do not comply with these instructions.

- 5. Mail bid responses early in order for them to be received before the time of the bid opening. Late bids will be automatically rejected. Individuals submitting bids in person or by private delivery services should allow sufficient time for processing through building security to assure that the bids are received prior to the deadline for submitting bids. All individuals who plan to attend bid openings will be required to present government-issued picture identification to building security officials and obtain a visitor's pass prior to attending the bid opening.
- 6. In accordance with State Finance Law § 139-j and 139-k, this solicitation includes and imposes certain restrictions on communications between Dormitory Authority personnel and an Offerer during this procurement process. Designated contact for this solicitation is: Theresa Graffeo, Purchasing Coordinator, at Dormitory Authority – State of New York, 515 Broadway, Albany, NY 12207,(518) 257-3085. Contacts made to other Dormitory Authority Personnel regarding this procurement may disqualify the Offerer and affect future procurements with governmental entities in the State of New York. Please refer to the Authority's website www.dasny.org for Authority policy and procedures regarding this law, or the NYS office of General Services website www.ogs.ny.gov/BU/PC/ for more information about this law.



Bid No.: Re Bid 641

If you are not submitting a bid it is requested that you complete and return the lower portion of this form

(Please check all that apply and provide comments in the space provided, if necessary)

| ☐ We are bid. | not Submitting a | We Request re list. | moval of our name | e from the mailing |
|--------------------|---------------------|------------------------|----------------------|--------------------|
| Location | n of the job site. | Commodity is r | not carried by our o | company. |
| 🗌 Scope i | s too large. | | | |
| Other/Additi | onal Explanation: | | | |
| | | | | |
| NAME OF BIDDER: | | | | |
| ADDRESS | | | | |
| : | Street Telephone | City | State | Zip |
| Sigr | nature of Bidder | | Ot | ficial Title |



CLAUSES PURSUANT TO THE OMNIBUS PROCUREMENT ACT OF 1992

It is the policy of New York State to maximize opportunities for the participation of New York State business enterprises, including minority and woman-owned business enterprises as bidders, subcontractors and suppliers on its procurement contracts.

Information on the availability of New York subcontractors and supplies is available from:

Empire State Development Small Business Division 30 South Pearl Street, 7th Floor Albany, NY 12207 Phone: (800) 782-8369

A directory of minority and woman-owned business enterprises is available from:

Empire State Development Division of Minority and Women Business Development 30 South Pearl Street Albany, NY 12207 Phone: (518) 292-5250

Online Directory: https://ny.newnycontracts.com/FrontEnd/VendorSearchPublic.asp

DASNY maintains a directory of minority and women-owned business enterprises: http://www.dasny.org/construc/mwsbereg/index.php

The contractor acknowledges notice that New York State may seek to obtain offset credits from foreign countries as a result of this contract and agrees to cooperate with the State in these efforts.

DASNY encourages the use of recycled Materials in the manufacturing process. To that end, the recycled product must meet the same codes, specifications and standards the non-recycled materials do, including requirements for cost, installation, aesthetics, availability and maintenance.



The Omnibus Procurement Act of 1992 and § 2879 of the NYS Public Authorities Law require that by signing this bid, contractors certify that whenever the total bid amount is greater than \$1 million:

- 1. The contractor has made reasonable efforts to encourage the participation of New York State Business Enterprises as suppliers and Subcontractors on this project, and has retained the documentation of these efforts to be provided upon request to the State. If the contractor determines that NYS business enterprises are not available to participate on the contract as subcontractors or suppliers, the contractor shall provide a statement indicating the method by which such determination was made. If the contractor does not intend to use subcontractors, contractor shall provide a statement verifying such;
- 2. The contractor has complied with the Federal Equal Opportunity Act of 1972 (PL 92-261), as amended;
- 3. The contractor agrees to make reasonable efforts to provide notification to New York State residents of employment opportunities on this project through listing any such positions with the Job Service Division of the New York State Department of Labor, or providing such notification in such manner as is consistent with existing collective bargaining contracts or agreements. The contractor agrees to document these efforts and to provide said documentation to the State upon request;

DASNY is required by law to notify the NYS Department of Economic Development of any procurement contract for one million dollars or more that is to be awarded to an out-of-state vendor. This notice must be done simultaneous to the notification of award provided to the vendor. A purchase order or contract cannot be issued until fifteen (15) days after such notification is provided.



GENERAL SPECIFICATIONS

- (1) The enclosed Purchasing General Conditions are hereby incorporated by reference. Submission of a bid response shall constitute acceptance of such conditions. Any exceptions/clarifications/qualifications to these conditions or other specifications and/or requirements contained herein must be clearly stated in the bid response and, depending upon the nature of such, may be grounds for rejection of your bid.
- (2) Bids must be submitted in the bidder's full legal name, or the bidder's full legal name plus a registered assumed name, if any.
- (3) All NYS bidders are required to be registered to do business with the NYS Department of State or their local County Clerk, whichever is applicable.
- (4) All out-of-state bidders will be required to provide proof of registration to do business in their state. All out-of-state bidders that "do business in New York State" MUST BE REGISTERED WITH THE NYS DEPARTMENT OF STATE. Please contact the NYS Department of State at (518) 473-2492. Information is available at the DOS website: www.dos.ny.gov
- (5) DASNY is required by law to notify the Empire State Development of any procurement contract for one million dollars or more that is to be awarded to an out-of-state vendor. This notice must be done simultaneous to the notification of award provided to the vendor. A purchase order or contract cannot be issued until fifteen (15) days after such notification is provided.
- (6) Empire State Development is required by law to identify states and other jurisdictions that impose preferences or other penalties against New York bidders. DASNY is precluded from soliciting bids or entering into procurement contracts with companies that have their principal place of business located in one of the listed jurisdictions, unless the procurement is for a product that is substantially manufactured in New York State or the services are to be performed in New York State. Currently, this list of jurisdictions includes the states of Alaska, Hawaii, Louisiana, South Carolina, West Virginia and Wyoming.
- (7) Unless otherwise indicated, any reference to brands or model numbers is intended to establish a standard. Items of all manufacturers will be considered, provided the item is determined to meet or exceed the required specification. DASNY's decision as to whether a substitute item meets specification will be final. Your attention is directed to Article II-7, Page 5 of the General Conditions. In order to evaluate substitute items, detailed specifications must be submitted for any product that is other than the one(s) specified in the bid.



GENERAL SPECIFICATIONS CONTINUED

- (8) Unless otherwise noted, guarantee on all items is to be one year as detailed in Article XVI of the General Conditions
- (9) All upholstered furniture and drapery panels and lining must meet strict flammability requirements. Standards applicable to this bid, if any, will be delineated in the Detailed Specifications.
- (10) LABOR/TRADES Any labor, materials or means whose employment, or utilization during the course of this contract, shall not in any way cause or result in strike, work stoppages, delays, suspension of work; or similar troubles by workers employed by this contractor or his subcontractors, or by any of the trades working in or about the buildings and premises where work is being performed. Any violation by the contractor of this requirement may in the sole judgment of DASNY be considered as proper and sufficient cause for declaring the contractor to be in default, and for the owner to take action against him as set forth in the Purchasing General Conditions, Article VIII, "Termination", or such other action as DASNY may deem proper.
- (11) Bid results are available on the DASNY website (<u>www.DASNY.org</u>). Bid results will not be given over the phone.
- (12) If you are a NYS Certified Minority or Women Owned Business, please include a copy of your certification with the bid.



ALFONSO L. CARNEY, JR. Chair **GERRARD P. BUSHELL, Ph.D.** President & CEO

SUPPLEMENTAL SPECIFICATIONS

The following items are attached for informational purposes. Referenced documents need not be returned with the proposal. These documents are only applicable to the successful bidder and the ensuing procurement contract. Documents are only applicable to the successful bidder and the ensuing procurement contract. Documents applicable to the procurement that will result from this Invitation for Bids are designated by a check box (\square). Unless otherwise indicated, the referenced documents are located at the end of this Invitation for Bids.

- Purchasing General Conditions The DASNY Purchasing General Conditions contains terms and conditions of purchases made by DASNY. It is recommended that this document be reviewed fully.
- M/WBE Utilization Plan and Request for Waiver Minority and Women-Owned Business Enterprise (M/WBE) goals for this project are <u>18</u>% and <u>12</u>%, respectively. The successful bidder shall be required to complete a Utilization Plan or Request for Waiver, to be approved by DASNY's Opportunity Programs Group. Reference Purchasing General Conditions, Article XIX, Affirmative Action for Contracts Mr. Michael Clay, DASNY Opportunity Programs Group at (518) 257-3464, is available to assist all bidders in attaining these goals. *Reference the enclosed "Good Faith Efforts Guidelines"*.
- Supplemental General Requirements Attached (if applicable) are the Supplemental General Requirements (SGRs) which provide important logistical information and additional conditions which govern this procurement. Please read these SGRs carefully.
- Form of DASNY Contract The procurement resulting from the Invitation for Bids will be executed through a DASNY purchase order and a related contract. The contract executed with the successful bidder will be in the same substantial form as the attached "Form of Contract". Note that this Invitation for Bids and any response to such will be annexed as binding terms of the purchase agreement.
- Certificate of Insurance (sample enclosed) The successful bidder will be required to provide a Certificate of Insurance pursuant to Article XIV of the enclosed Purchasing General Conditions. The certificate shall name DASNY and other designated parties as additional insureds.

CORPORATE HEADQUARTERS 515 Broadway Albany, NY 12207-2964

T 518-257-3000 **F** 518-257-3100 NEW YORK CITY OFFICE One Penn Plaza, 52nd Floor New York, NY 10119-0098

T 212-273-5000 F 212-273-5121 BUFFALO OFFICE 539 Franklin Street Buffalo, NY 14202-1109

T 716-884-9780 **F** 716-884-9787 DORMITORY AUTHORITY STATE OF NEW YORK



ALFONSO L. CARNEY, JR. GERRARD P. BUSHELL, Ph.D. Chair President & CEO SUPPLEMENTAL SPECIFICATIONS CONTINUED

- Worker's Compensation / Disability Insurance The successful proposer will be required to provide specific documentation with respect to Worker's Compensation and Disability Insurance pursuant to Article XIV of the enclosed Purchasing General Conditions. Requirements are detailed in the enclosed "Workers' Compensation and Disability Benefits Requirements" document.
- Prevailing Wage Schedule NYS Labor Law requires all wages paid by contractors and subcontractors on public work projects be paid at the prevailing wage rates. Enclosed is the current rate schedule for the appropriate county. Contractors and Subcontractors are responsible for obtaining current rates throughout the course of the project. The NYS Department of Labor (NYS DOL) updates these rates on July1st of each year. Current rates can be obtained on the NYS DOL website (www.labor.state.ny.us) or by fax at (518) 485-1870. Note that an executed Contractor and Subcontractor Certification and certified payrolls, which include the hours and days worked by each workman, laborer or mechanic, the occupation at which he worked, the hourly wage rate paid and the supplements paid or provided, must be submitted with each and every payment requisition. DASNY will not process an invoice without this information. Forms are available on the DASNY website: http://www.dasny.org/construc/forms2/vendors.php
- Labor and Material Payment Bond The successful bidder must be prepared to provide surety bonds prior to award in accordance with Article XIV of the DASNY Purchasing General Conditions. The costs of these bonds are to be separately stated in the total bid price as indicated on the Bid Breakdown and Schedule.
- Performance Bond The Successful bidder must be prepared to provide surety bonds prior to award in accordance with Article XIV of DASNY Purchasing General Conditions. The costs of these bonds are to be separately stated in the total bid price as indicated on the Bid Breakdown and Schedule.
- Standard Vendor Responsibility Questionaire (SVRQ) The successful proposer, in accordance with Article XXII of DASNY Purchasing General Conditions, will be required to complete the enclosed SVRQ. The award of a contract will be subject to a review of the information contained in these forms.

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ALFONSO L. CARNEY, JR. GERRARD P. BUSHELL, Ph.D. Chair President & CEO SUPPLEMENTAL SPECIFICATIONS CONTINUED

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Governor

ANDREW M. CUOMO

NYS Uniform Contracting Questionaire (UCQ) – The successful proposer will be required to complete the enclosed UCQ. The award of a contract will be subject to a review of the information contained in these forms.

DASNY Contractor and Consultant Questionaire (CCQ) – The successful proposer will be required to complete the enclosed CCQ. The award of a contract will be subject to a review of the information contained in these

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ALFONSO L. CARNEY, JR. Chair GERRARD P. BUSHELL, Ph.D. President & CEO

SUPPLEMENTAL GENERAL REQUIREMENTS

<u>Requests for Information:</u>

All questions pertaining to Re-Bid No. 641 – Furnish, Deliver and Install Laser Curtains are due no later than 4:00 p.m. on September 25, 2019 to tgraffeo@dasny.org. RFI Responses will be posted via Addenda to DASNY's Website in the Attachments Section of the Bid Opportunity Page for Re-Bid No. 641.

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ALFONSO L. CARNEY, JR. Chair

GERRARD P. BUSHELL, Ph.D. President & CEO

SCOPE OF WORK

Furnish, deliver and install new Laser Curtains and furnish and deliver an Integrated Laser Entry Control System per the bid documents and as follows:

Furnish and Install Items:

1) Furnish and installation of new heavy-duty Laser track with supports fastened to structure above.

- 2) C-15 Certificates and tags for each room.
- 3) Shop drawings of all rooms with curtains.
- 4) 8 Window Covers at 25.5" x 31.25"
- 5) 8 Window Covers at 25.5" x 48.5"

Furnish ONLY items: (installation by General Contractors Electrician):

- 1) 6 of Entry Guard Control Panels
- 2) 13 of Entry Guard illuminated dual status signs
- 3) 21 of Entry Guard magnetic safety interlocks
- 4) 21 of Entry Guard dual interlock receptacles
- 5) 42 of Entry Guard interlock connector plugs
- 6) 21 of Entry Guard emergency stop switches

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DETAILED SPECIFICATIONS and DRAWINGS

See attached

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SECTION 11 5363

LASER SAFETY EQUIPMENT

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Laser curtain, track, and hardware.
- B. Laser entry control system.

1.2 REFERENCE STANDARDS

A. ANSI Z136.1 - Safe Use of Lasers.

1.3 SUBMITTALS

- A. Product Data:
 - 1. For laser curtain and track. Include data on physical characteristics, durability, fade resistance, and performance and flame-resistance characteristics.
 - 2. For laser entry control system: Include product data electrical requirements.
- B. Shop Drawings: Indicate locations and mounting details for laser curtain track and entry control system.
 - 1. For laser curtain and track. Include plans, details, and locations.
 - 2. For entry control system. Submit plans, details, locations, wiring and control diagrams, and design and testing data.
- C. Samples: In sets for each color, texture, and pattern specified.
- D. Certificate: Submit manufacturer's documentation that curtain meets specified requirements.
- E. Maintenance Data: Include operation and maintenance information for laser curtains and laser entry control system in the operation and maintenance manual.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Installers shall have minimum five years of documented experience for installation of products of this Section.
 - 1. Laser Entry Control System: Installers shall be approved by system manufacturer.
- B. Single Source: Provide laser curtains and track assemblies by a single manufacturer.

1.5 PROJECT CONDITIONS

A. Environmental Limitations: Do not install laser curtains and laser entry control system until spaces are enclosed and weatherproof, wet work in spaces is complete and dry, work above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

PART 2 - PRODUCTS

- 2.1 LASER CURTAIN AND TRACK
 - A. Manufacturers: Provide products by one of the following:
 - 1. Beamstop'r Laser Barriers, Inc.: www.beamstopr.com.
 - 2. Kentek; Flex-Guard: www.kentek-laser.com.
 - 3. Rockwell Laser Industries, Inc.: www.rli.com.
 - B. Laser Curtain Fabric: Oil and water resistant and permanently flame resistant, with double-vinyl black color laminated to back for opacity.
 - C. Curtain Performance:
 - 1. Flame Resistance: Meet requirements of State of California test and in accordance with NFPA Standard No. 701-2010, test methods 1 and 2.
 - 2. Rating: 100 Watts/sq. cm.
 - 3. Threshold limit for beam penetration through the curtain at the minimum distance indicated on the Drawings shall not be exceeded for exposure time of 60 seconds.
 - 4. No part of curtain or track shall release toxic fumes following laser exposure.
 - D. Extruded Aluminum Track: Minimum 1-1/4 inches wide by 3/4 inch high, with minimum wall thickness of 0.062 inch.
 - 1. Finish: Satin anodized.
 - E. Track Accessories: Fabricate splices, corners, end caps, connectors, end stops, coupling and joining sleeves, wall flanges, brackets, ceiling clips, Velcro strips, and other accessories from same material and with same finish as track.
 - F. Curtain Carriers: Two nylon rollers and nylon axle with rustproof wire and bead chain and chrome-plated steel or aluminum hook.
 - G. Exposed Fasteners: Stainless steel.
 - H. Concealed Fasteners: Hot-dip galvanized.
 - I. Curtain Fabrication:
 - 1. Curtain Size: Make curtains at least 10 percent wider than track length and long enough to overlap finished floor minimum 2 inches. Bottom of curtain shall be weighted.
 - a. Provide curtains with front and rear valances for light trap. Valances shall be same material as curtains with sewn-on Velcro strip for mounting.
 - b. Curtains shall conform to ANSI Z136.1 "Safe Use of Lasers"
 - 2. Construction: Sewn flat with 10 percent fullness.
 - 3. Curtain Lengths: 1/4 inch above finished floor.
 - 4. Seams: French-style with no visible raw edges.
 - 5. Top Hem: Heavy gauge fabric reinforcing strip in top hem; brass grommets at 8 inches o.c.
 - 6. Bottom Hem: Weighted.
 - 7. Edges: Provide hook and loop sealing strips at outside vertical edges to provide light trap overlaps attachment to walls.
 - 8. Sew curtains using lock stitch and in a manner so that fabric is not pierced in a way that will allow light through the needle holes.
 - 9. Sew side and bottom hems French style with no visible raw edges. Crooked or selvaged edges in lieu of side or bottom hems are prohibited. Overlap vertical seams and provide with Velcro strips to facilitate "light-trap" overlaps.

- 10. Provide stay-put type fastners as indicated on Drawings.
- J. Provide laster curtain interlock assembly as indicated on Drawings.

2.2 LASER ACCESS CONTROL SYSTEM

- A. Manufacturers:
 - 1. Kentek Corporation: www.kentek-laser.com. Basis of design as follows:
 - a. Control Module: ETG-CP Entry-Guard.
 - b. Status Sign: ETG-DLS-2 Entry-Guard.
 - c. Emergency Stop Switch: ETG-ES-F Entry-Guard.
 - d. Safety Interlock: ETG-INLK Entry-Guard.
 - e. Dual Interlock Receptacle: ETG-X1 Entry-Guard.
 - f. Interlock Connector Plug: ETG-X2 Entry-Guard.
 - 2. Rockwell Laser Industries, Inc.: www.rli.com.
- B. Laser Access Control System: Integrated system to control entry to and egress from laser operation areas and laser emission to areas where there is accessible or exposed laser energy, meeting requirements of ANSI Z136.1.
- C. System Components:
 - 1. Main Control Module: Wall-mounted, painted metal enclosure with front-mounted controls, housing microprocessor controller. Front panel controls include the following:
 - a. Key lock.
 - b. System power key switch.
 - c. Start, Stop, Exit, and Emergency Stop buttons.
 - d. System status indicators including, but not limited to, Power On, Entryway/Doors Closed, and Interlock/Maglock On.
 - 2. Magnetic door locks.
 - 3. Entry keypads.
 - 4. Remote pushbuttons.
 - 5. Emergency access switches.
 - 6. Emergency stop buttons.
 - 7. Laser interlock or shutter.
 - 8. Illuminated safety signs.
 - a. Metal, lighted sign box with translucent plastic laser status signs; back-mounted or edge-mounted as required.
 - b. Two-way and two color to indicate Safe No Laser Hazard and Danger Laser Radiation.
 - 9. Nondefeatable safety latches.
 - 10. Circuitry.
 - 11. Accessories: Manufacturer's standard.
- D. Entry Laser System Operation and Controls:
 - 1. Emergency stop and external emergency access controls.
 - 2. Isolated, normally open, relay closures for control of laser interlocks and shutters.
 - 3. Isolated, normally open/normally closed, auxiliary laser interlock relays.
 - 4. Isolated, magnetic, door latch relay.
 - 5. Universal interface to entry key cards or dedicated key pads.
 - 6. Automated, illuminated laser safety sign control.
 - 7. Audible indicator for interlock timeout and exit delay (defeatable).
 - 8. Adjustable exit delay; 5 to 90 seconds.
 - 9. Automatic shutdown of lasers and unlocking of doors by building fire or evacuation alaram.

- 10. Automatic shutdown of lasers when access parameters are violated.
- 11. Optically isolated external inputs.
- 12. Two, automatic, warning sign modes.
- 13. Easy remote of system Enable and Exit Request controls.
- 14. External computer/access controller monitor interface.
- 15. Full function diagnostic indicators.
- 16. Built-in, low voltage power supply.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Install tracks level and plumb, according to manufacturer's written instructions. Provide track fabricated from one continuous length, up to 16 feet.
- B. Track Accessories: Install splices, corners, end caps, connectors, end stops, coupling and joining sleeves, and other accessories as required for a secure and operational installation.
- C. Curtain Carriers: Provide enough curtain carriers for 6 inch spacing along full length of curtain plus an additional carrier.
- 3.2 CLEANING AND ADJUSTING
 - A. Press curtain material to remove folds, creases, and wrinkles.
 - B. Repair or remove and replace defective work. Repairs shall be indistinguishable from undamaged curtain and track.
 - C. Clean curtains and tracks. Touch up damaged track finish.

END OF SECTION

THE CITY UNIVERSITY OF NEW YORK ASRC/CCNY SCIENCE RESEARCH CENTER The City College of New York

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DASNY Project Number: 257110 **Flad Project Number:** 05432-82

Drawing Sheet Index

| | | | | 5/6/2019 | 6/11/2010 | 01 11 11 10 |
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| | | | | DOCUMENTS | | |
| Project | NY | C DoB | | CONSTRUCTION DOC | | |
| Sheet No. | She | et No. | Sheet Name | | | ן ב |
| GN General | | | | | + | + |
| GN-000 | Т | 000.00 | COVER SHEET, DRAWING LIST & PLOT PLAN | x | $\langle \rangle$ | x |
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| GN-001 | G | 001.00 | PLOT PLAN & BUILDING NOTES | x | (| |
| GN-101 | G | 101.00 | PARTIAL LIFE SAFETY PLAN - GROUND LEVEL | X | _ | _ |
| GN-220 DM Plans | G | 220.00 | LIFE SAFETY PLAN - LEVEL 2 | X | | + |
| AD-221 | DM | 220.00 | PARTIAL DEMOLITION FLOOR PLAN - LEVEL 2 - SOUTH | x | <i>.</i> | + |
| AD-222 | DM | | PARTIAL DEMOLITION FLOOR PLAN - LEVEL 2 - NORTH | X | _ | - |
| DPL-221 | DM | | DEMOLITION PLAN SECOND LEVEL SOUTH | x | | |
| DPL-222 | DM | 223.00 | DEMOLITION PLAN SECOND LEVEL NORTH | x | (| |
| DM-018 | DM | | DEMOLITION PLAN 1ST LEVEL (+125.00) INTERSTITIAL AREA 4 | x | (| + |
| DM-221 | DM | 224.00 | DEMOLITION PLAN SECOND LEVEL SOUTH | x | | _ |
| DM-222 | DM | | DEMOLITION PLAN SECOND LEVEL NORTH | x | | - |
| A Plans | | | | | <u> </u> | - |
| AE-014 | A | 014.00 | PARTIAL LABORATORY PLAN - GROUND LEVEL | x | | |
| AE-221 | A | 221.00 | PARTIAL LABORATORY FLOOR PLAN - LEVEL 2 - SOUTH | x | _ | |
| AE-222 | Α | 222.00 | PARTIAL LABORATORY FLOOR PLAN - LEVEL 2 - NORTH | х | (| |
| AB-221 | Α | 321.00 | PARTIAL REFLECTED CEILING PLAN - LEVEL 2 - SOUTH | X | (| |
| AB-222 | A | 322.00 | PARTIAL REFLECTED CEILING PLAN -LEVEL 2 - NORTH | X | | |
| AE-600 AE-850 | A | 600.00 850.00 | EQUIPMENT LIST | X | _ | _ |
| AE-900 | A | 900.00 | SCHEDULES AND DETAILS | X | | x x |
| AE-900 | Â | 901.00 | DETAILS | ^ X | | ^ X |
| AE-902 | A | 901.00 | DETAILS | x | | <u>`</u> |
| P Plans | | | | | | _ |
| PL-000 | Р | 000.00 | PLUMBING SYMBOLS AND ABBREVIATIONS | x | (| |
| PL-014 | Р | 014.00 | FLOOR PLAN GROUND LEVEL (+117.00) AREA 4 | x | (| |
| PL-018 | Р | 018.00 | FLOOR PLAN 1ST LEVEL (+125.00) INTERSTITIAL AREA 4 | x | (| |
| PL-221 | Р | 221.00 | FLOOR PLAN SECOND LEVEL SOUTH | x | (| |
| PL-222 | Р | 222.00 | FLOOR PLAN SECOND LEVEL NORTH | x | (| |
| M Plans | | | | | | 1 |
| M-000 | М | 000.00 | MECHANICAL SYMBOLS AND ABBREVIATIONS | x | (| |
| M-014 | М | 014.00 | FLOOR PLAN GROUND LEVEL (+117.00) AREA 4 | x | (| |
| M-018 | М | 018.00 | FLOOR PLAN 1ST LEVEL (+125.00) INTERSTITIAL AREA 4 | x | (| |
| M-221 | М | 221.00 | FLOOR PLAN SECOND LEVEL SOUTH | x | (| |
| M-222 | М | 222.00 | FLOOR PLAN SECOND LEVEL NORTH | x | (| T |
| M-300 | м | 300.00 | MECHANICAL DETAILS | x | (| |
| M-400 | м | 400.00 | PARTIAL FLOOR PLAN SHAFT AND EXHAUST RISER | x | (| |
| M-500 | м | 500.00 | MECHANICAL SCHEDULES | x | (| |
| M-600 | м | 600.00 | MECHANICAL LAB CONTROL DIAGRAMS | x | (| |
| E Plans | 1 | | | | + | \neg |
| E-000 | | 1 | ELECTRICAL SYMBOLS AND ABBREVIATIONS | x | (| + |
| E-400 | | | ELECTRICAL PANEL SCHEDULES | x | | + |
| F 404 | 1 | 1 | ELECTRICAL PANEL SCHEDULES | x | | + |
| E-401 | | | | | · · | |

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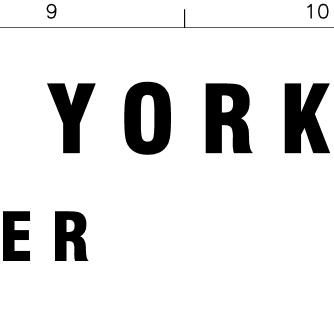
New York, New York

6

ASRC PHOTONICS LABORATORY RENOVATIONS

| | | | | 5/6/2019 | | |
|----------------------|-------|------------------|---|------------------------|-------------|----------|
| Project Sheet No. | NYC | DoB et No. | Sheet Name | CONSTRUCTION DOCUMENTS | | |
| EL (Lighting) | | | | <u> </u> | | |
| DEL-014 | | | DEMOLITION PLAN LIGHTING GROUND LEVEL (+117.00) AREA 4 | x | | |
| DEL-221 | | | DEMOLITION PLAN LIGHTING SECOND LEVEL SOUTH | x | | \vdash |
| DEL-222 | | | DEMOLITION PLAN LIGHTING SECOND LEVEL NORTH | x | | |
| EL-014 | | | FLOOR PLAN LIGHTING GROUND LEVEL (+117.00) AREA 4 | x | + | |
| EL-221 | | | FLOOR PLAN LIGHTING SECOND LEVEL SOUTH | x | + | |
| EL-222 | | | FLOOR PLAN LIGHTING SECOND LEVEL NORTH | x | + | |
| EP (Power) P | Plans | | | ~ | | |
| DEP-014 | | | DEMOLITION PLAN POWER GROUND LEVEL (+117.00) AREA 4 | x | | |
| DEP-221 | | | DEMOLITION PLAN POWER SECOND LEVEL SOUTH | x | | |
| DEP-222 | | | DEMOLITION PLAN POWER SECOND LEVEL NORTH | x | | |
| EP-014 | | | FLOOR PLAN POWER GROUND LEVEL (+117.00) AREA 4 | x | | |
| EP-221 | | | FLOOR PLAN POWER SECOND LEVEL SOUTH | x | | |
| EP-222 | | | FLOOR PLAN POWER SECOND LEVEL NORTH | x | | |
| FA Plans | | | | ~ | | |
| DEF-014 | DM (| 014.00 | DEMOLITION PLAN FIRE ALARM GROUND LEVEL (+117.00) AREA 4 | x | | |
| DEF-221 | DM 2 | 221.00 | DEMOLITION PLAN FIRE ALARM SECOND LEVEL SOUTH | x | | |
| DEF-222 | | 222.00 | DEMOLITION PLAN FIRE ALARM SECOND LEVEL NORTH | x | | |
| EF-014 | FA (| 014.00 | FLOOR PLAN FIRE ALARM GROUND LEVEL (+117.00) AREA 4 | x | | |
| EF-221 | | 221.00 | FLOOR PLAN FIRE ALARM SECOND LEVEL SOUTH | x | | |
| EF-222 | | 222.00 | FLOOR PLAN FIRE ALARM SECOND LEVEL NORTH | x | | |
| FA-515 | | 515.00 | ELECTRICAL MODIFICATION TO EXISTING PRE-ACTION SYSTEM PARTIAL LABORATORY PLAN GROUND LEVEL | x | | |
| | | | | ~ | | |
| SP Plans | | | | | | |
| FX-001 | SP (| 001.00 | SPRINKLER NOTES, KEY OF SYMBOL, PLOT PLAN AND DRAWING LIST | x | | |
| FX-002 | SP (| 002.00 | SPRINKLER NOTES AND SPECIFICATIONS | x | | |
| FX-003 | | 003.00 | FLOOD INSURANCE RATE MAP 3604970079G | х | | |
| FX-004 | _ | 004.00 | FLOOD INSURANCE RATE MAP 3604970079F | X | \parallel | |
| FX-014 FX-100 | _ | 014.00 100.00 | SPRINKLER PARTIAL LABORATORY PLAN GROUND LEVEL SPRINKLER DEMOLITION PARTIAL REFLECTED CEILING PLAN LEVEL—2 SOUTH | x | | |
| FX-100 | | 100.00 | SPRINKLER DEMOLITION PARTIAL REFLECTED CEILING PLAN LEVEL—2 SOUTH | X X | + | |
| FX-220 | | 320.00 | SPRINKLER PARTIAL REFLECTED CEILING PLAN LEVEL-2 NORTH | x | + | |
| FX-221 | | 321.00 | SPRINKLER PARTIAL REFLECTED CEILING PLAN LEVEL—2 NORTH | x | | |
| FX-400 | SP 4 | 400.00 | SPRINKLER RISER DIAGRAM | x | | |
| FX-401 | | 401.00 | SPRINKLER PRE-ACTION NOTES & SEQUENCE OF OPERATION (FOR REFERENCE ONLY) | х | | |
| FX-501 | SP ! | 501.00 | SPRINKLER SCHEDULES & DETAILS | x | | |

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June 11th, 2019

11

Flad Architects

Affiliated Engineers, P.C.

01 06/11/19 ADDENDUM 01

05/06/19 CONSTRUCTION DC Date Description of Issu

DASNY Project Number - 257110

of New York

Photonics Lab

Renovations

CU The City University

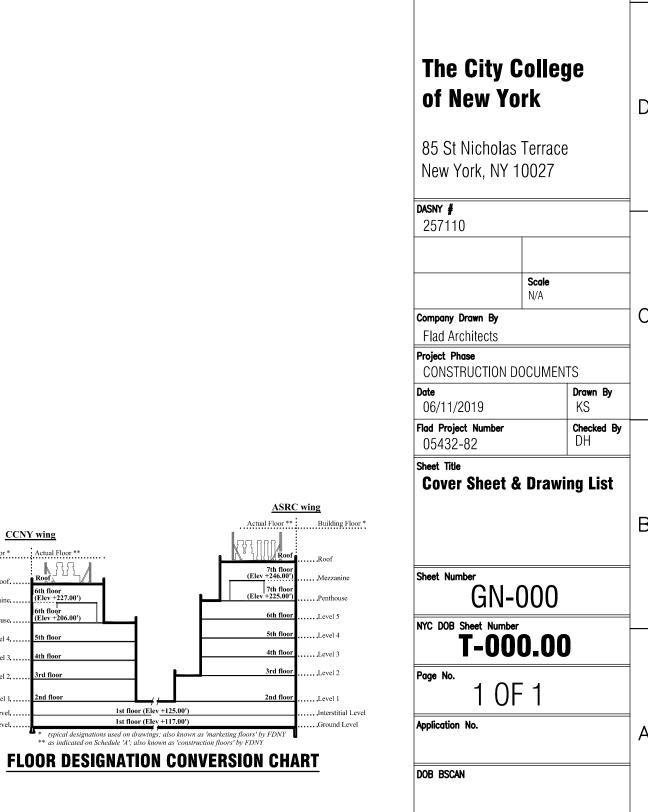
NY

ASRC

Connectioni Annociation

Facility Leaders in Archite Engineering Design, PC

261 Fifth Avenue, Ste. 510 New York, NY 10016 Tel 212-897-3000 Fax 212-213-8250 www.flad.com



It is a violation of the law for any person, unless acting under the direction of a licensed architect, to alter an item in any way. 11 10

st floor (Elev +117.00

CCNY wing Building Floor * Actual Floor *

v +227.00')

Roof..

Mezzanine,.. Penthouse,

> Level 4. Level 3.

Level 2... Level 1.

Interstitial Level.

Ground Level

| | Flad Actificacts Read Actificacts Read Actificacts Read Actification |
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| | | xpectation of New York (CUNY). es it relieve the ied in the Drawings | wing sets. Any brought to the | | of DASNY/CUNY DASNY/CUNY | s and are to be act Documents are | he work including, Underwriters, the | rmits, approvals, and submit one (1) |
|---|----------------------------|--|---|---------------------|--|--|---|---|
| 7 | DTES | : a quality standard and an e scts at The City University of Itant's general notes, nor do tann's general information contain ion of all information contain | DASNY/CUNY Project Dravinate for the project shall be | | , regulations and procedures and in accordance with the I | Drawings and Specifications sated elsewhere in the Contr | ies having jurisdiction over ti gs (DOB), the Board of Fire | shall secure all required pessions etc. having jurisdiction |
| _ | STRUCTION NO | al notes is intended to set sed when working on proje blace of the Design Consu mpleteness and coordinat | tes shall be included in all ne Consultant are inappro ger for resolution | | accordance with the rules, luded in the Bid Package) | ned herein are part of the More restrictive notes loc se listed below. | and governmental authorit City Department Of Buildin ent and OSHA shall apply. | ent of the work, Contractor tments, agencies, commis CUNY Project Manager. |
| - | GENERAL CONSTRUCTION NOTES | 1.1 The following list of general notes is intended to set a quality standard and an expectation of reasonable end of the work of which working not projects at the Cuy University of New York (CUNY). In the Currenteed to take the place of the Design Consultant's general notes: not does it dieve the Consultant's of updation for completences and coordination of all information contained in the Drawings and Specifications. | 1.2 The following General Notes shall be included in all DASNY/CUNY Project Drawing sets. Any notes that, in the optimon for Consultant are inappropriate for the project shall be brought to the arteriotism of the Project Manage for resolution. | DESIGN REQUIREMENTS | 2.1 All work shall be done in accordance with the rules, regulations and procedures of DASNYCUNY ("Contractor Work Rules" induded in the Bid Package) and in accordance with the DASNY/CUNY Design Requirements. | 2.2 The general notes contained herein are part of the Drawings and Specifications and are to be completed with all respects. There restriction notes (bratted elsewhere in the Contract Documents are to take precedence over those fiscil below. | 2.3 The best rade practices and governmental authorities having jurisdiction over the work induding, but not limited to, New York City Department Of Buildings (DOB), the Board of Fire Underwriters, the New York City Fire Department and OSHA shall apply. | 2.4 Prior to the commencement of the work. Contractor shall secure all required permits, approvals, etc. Tom all respective operations approximations etc. having jurisdiction and submit one (1) work of submit one of the DASN/VICUNY Proiser Manaer. |
| | | | - | | | | | |

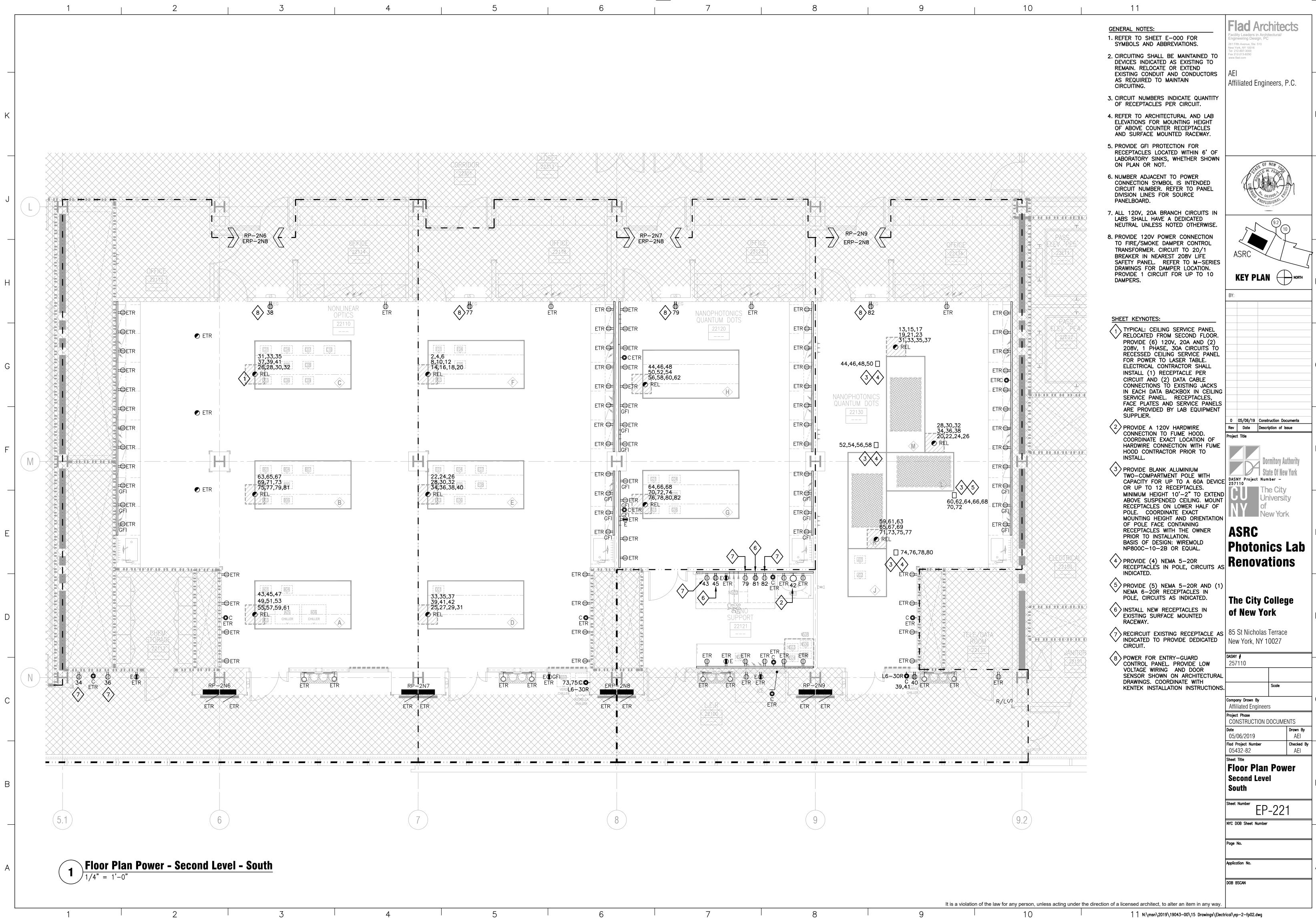
2.34 The contractor is to supply flush finished access doors where required, UON, and is responsible to the supplying access doors in the set and unanity are equired by the owner or to funding occess for all supplemental mechanical exploring. Access and provide the other such explores installed or focated above the central mechanical explores to receive approval for all access door focations and sizes provide of explores. 2.12 The contractor shall varily all existing conditions and dimensions in the field, whether or not specifically note; and shall report for discrepancies between the Drawings and field conditions to the Project lithaget and Architectpion to starting vork. 2.5 Contractor shall be responsible for the protection of and safety in and around the Jobaite and adjecting protection for any and another protectine forming adjecting protecting the analysis of the adjecting protecting and adjecting protecting and adjecting protecting and adjecting protecting and adjecting provide minimum schemeter and adjecting protecting adjecting protecting adjecting protecting adjecting protecting adjecting provide minimum schemeter and adjecting protecting adjecting adjecting protecting protecting adjecting protecting adjecting protecting adjecting protecting protec 2.7 Owner reserves the right to occupy and to install furniture and equipment in completed portions of the Work pior to substantial accompletion of the Work. Such placement and limited occupancy does not constitute acceptance of the Work. 2.6 Except for the area under construction. Owner will occupy site and existing buildings) during entire construction preaction. Cooperate with Owner along construction potentions to minimize comflicts and calibilities Owner usage. Perform work so as not to interfere with Owner's day-to-working days in advance of advirtise that will effect Owner's operations. 2.19 Contractor shall be responsible for all cuting, fitting, or patching that may be required to complete the Work or for market several dist triggerier popely, and its receive or be received by work of others Contractors shown upon or reasonably impled by the Drawings and roles. 2.28 Where fire division or separations are being removed the contractor shall provide temporary rated construction much resized and provide temporary rated any interest direction function of any interested function of the or noise system. 2.29 Ducts, pipes and conduits passing through rated construction shall have sparse not excreeding 1/2, be packed with mineral word and dosed off with close-fitting metal escutcheons. UON or specified in the Drawings or Specifications. Provide firestop assembly data showing required rating. 2.30 Where pipes, wres, conduits, ducts, etc. penetrate fire protection of individually wrapped encased structural members penetration ratio increased. So faily isses of such projection and shall be dosed of win datase infing media excludence or plates, as per New York City budding Code. 2.26 Existing fire separations shall be maintained at all times, and if found compromised, shall be restored. Firestop all penetrations (new and existing) using acceptable firestop materials, means and methods. 2.27 All furred spaces are to be fire stopped 20°O.C. horizontally and 8-O' vertically per the New York City Building Code. 2.15 Minor details not usually shown or specified, but necessary for proper construction of any part of the work shall be included as if they were indicated in the Drawings. 2.33 Contractor shall lay out his own work and shall provide all dimensions required for other trades. The layour of partitions and openings shall be verified by the Architect prior to securing floor channels. Any work Performed without Architect's approval does not relieve the contractor's responsibility for conforming with the Contract Documents. 2.9 Smoking is not permitted within the Campus or within 50 feet of entrances, operable windows, or outdoor air intakes. 2.17 Plumbing and electrical work shall be performed by professionals licensed in their trades, who shall arrange for and obtain inspections and required sign-offs. 2.8 Coordinate all Work with Project Manager that may result in high levels of noise and vibration, odds, or other discuption to comer. Notify Owner not less than 5 working days in advance of proposed discuptive activities. 2.20 Patch and level flooring substrates per flooring manufacturers' recommendations. No gypsum based floor patching of relevancy stalls the advoce. Patch and repair finishes where existing pipe and dottempers and other apputehances have been removed. 2.24 All new construction shall match up with adjacent surfaces. Patch all cracks, holes and other imperfections to provide continuous smooth surface for joining new work. 2.31 All corridors shall be 3'-8" minimum clear in compliance with the New York City Building Code 2.32 All wood to be used as blocking or other concealed purposes shall be fire retardant treated in compliance with the New York City Building Code UON. 2.21 Seal all openings uncovered during demolition – relocation of duct shafts or pipe chases, or removal of partitions or fixtures. 2.22 All areas affected by demolition of existing construction are to be patched to match new construction match provide substrate to substrate to support new finish. Coordinate with new finishes to be applied at areas affected by demolition nork. 2.11 Contractor shall provide a schedule of required shop drawings/samples/cut sheets for appr within *T* voting days from Project Kickoff. See specific trade notes and specifications for list of required schmittals. 2.16 Contractor shall coordinate all trades, including Trade Work provided directly by the Owner 2.10 Use of tobacco or other controlled substances within the existing building is not permitted. 2.33 Refer to Specifications for materials, assemblies, and products not specified on Drawings. 2.18 Contractor shall keep temporary and permanent structural loading within intended limits. 2.14 Repetitive features may be drawn only once and shall be provided as if drawn in full. 2.25 The integrity of existing fireproofing shall always be restored and maintained. 2.13 Do not scale the Drawings. ۔ م т Ι ს ပ × ш ш മ

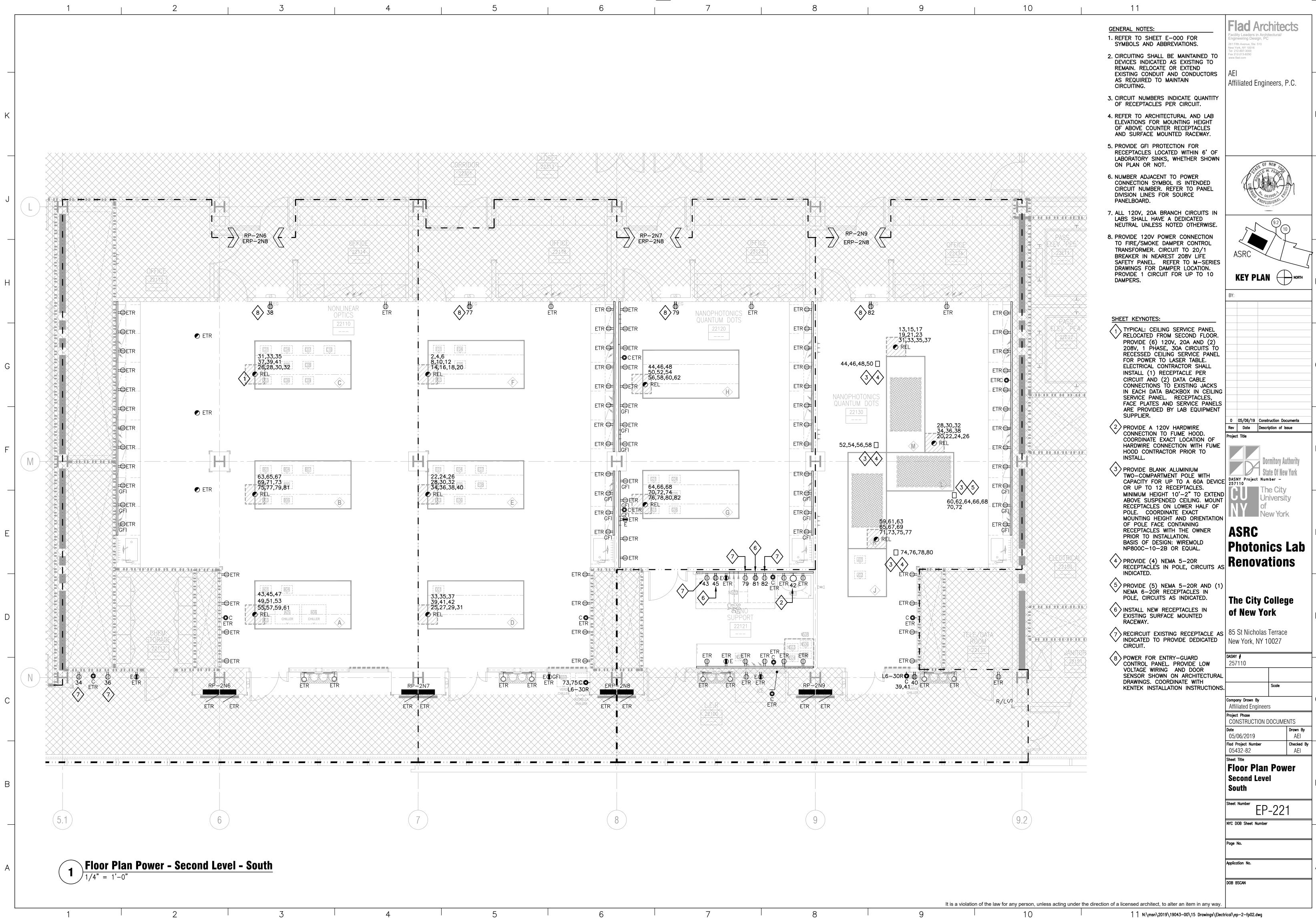
2.35 Contractor to provide 7 days notice for all building service shutdown requests (electrical, HVAC, water trise; the prodections, canant et all not UNox Permit applications, constant via submit via water provided or approved standard shutdown request form. Shutdowns will be scheduled at the convenience of Owner daily operations, not necessarily the convenience of the Contractor.

2.38 Contractor is not responsible for providing or installing final lockeets UON. The Contractor is responsible for obtaining the correct transplace from Owner provided shops and coordinating cutods for sets. Owner's lockenthies to provide and install entry proceeds and permanent cylinders.

2.37 Premises are to be turned over to the Owner at completion of work perfectly clean, including windows, all the floors cleaned and waxed, bases whed clean, carpets vacuumed, etc.

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| \checkmark | PANEL VOLTS | | RP-BK16 120/208V | | SECT.: PHASE: | 1 3 | WIRES: | 4 | | SURFAC GROUN | | | |
|--|--|--|---|--|---|---|---|--|--|--|---|---|--|
| | | | 225 AMP 225 AMP | | MINIMI | M INTERR | UPTING RAT | ГING [.] | 22,000 <i>A</i> | * | | | |
| Ī | CKT. | | | Categor | y Load | | Per Phase (Va | ı) | Load | Category | | Trip Ckt. | |
| - | No. (A | <u>Amps)</u> 20 | DESCRIPTION OF LOAD RECEPS RM 00772A | R | (Va) 720 | A 1080 | B | C | (Va) 360 | R | DESCRIPTION OF LOAD RECEPS RM 00614A, 00614B | (Amps) No. 20 2 | |
| - | 3 | 20 | RECEPS RM 00772A | R | 540 | 1000 | 900 | | 360 | R | RECEPS 00614B | 20 2 4 | |
| - | 5 | 20 20 | RECEPS RM 00614A RECEPS RM 00614A | R R | 720 720 | 900 | | 1260 | 540 180 | R R | RECEPS 00614B CLG SERVICE PNL 00614A L5-20R | 20 6 20 8 | |
| - | 9 | 20 | RECEPS 00614B | R | 360 | 200 | 540 | | 180 | R | CLG SERVICE INL 00614A L5-20R | 20 0 20 10 | |
| - | 11 13 | 20 20 | RECEPS 00614B | R | 540 180 | 360 | | 720 | 180 180 | R | CLG SERVICE PNL 00614A L5-20R | 20 12 20 14 | |
| - | 15 | 20 | CLG SERVICE PNL 00614A L5-20R CLG SERVICE PNL 00614A L5-20R | R R | 180 | 300 | 360 | | 180 | R R | CLG SERVICE PNL 00614A L5-20RCLG SERVICE PNL 00614A L5-20R | 20 14 20 16 | |
| - | 17 | 20 | CLG SERVICE PNL 00614A L5-20R | R | 180 | 2680 | | 360 | 180 | R | CLG SERVICE PNL 00614A L5-20R | 20 18 | |
| - | 19 21 | 20 20 | CLG SERVICE PNL 00614A L5-20R CLG SERVICE PNL 00614A L5-20R | R R | 180 180 | 2680 | 2680 | | 2500 2500 | R R | CLG SERVICE PNL 00614A L6-30R CLG SERVICE PNL 00614A L6-30R | 30 20 | |
| | 23 | 20 | CLG SERVICE PNL 00614A L5-20R | R | 180 | 5000 | | 2680 | 2500 | R | CLG SERVICE PNL 00614A L6-30R | 30 24 | |
| - | 25 27 | <u>30</u> | CLG SERVICE PNL 00614A L6-30R CLG SERVICE PNL 00614A L6-30R | R R | 2500 2500 | 5000 | 5000 | | 2500 2500 | R R | CLG SERVICE PNL 00614A L6-30R 208V RECEP RM 00614B | <u> </u> | |
| - | 29 | 30 | CLG SERVICE PNL 00614A L6-30R | R | 2500 | | | 5000 | 2500 | R | | 30 | |
| - | 31 33 | 20 | CLG SERVICE PNL 00614A L6-30R GAS MANIFOLD | R O | 2500 180 | 5000 | 2680 | | 2500 2500 | R R | ANECHOIC CHAMBER POWER 208V | 30 32 | |
| ļ | 35 | 20 | SPARE | | | _ | | 2500 | 2500 | R | ANECHOIC CHAMBER POWER 208V | 30 36 | |
| ŀ | 37 39 | 20 20 | SPARE SPARE | | | 2500 | 720 | | 2500 720 | R R | ANECHOIC CHAMBER POWER | 20 40 | |
| - | | | SPARE | | | | | 1116 | 1116 | 0 | ANECHOIC CHAMBER LIGHTING | 20 40 20 42 | |
| | | | | | | 17520 | 12880 | 13636 | | | | | |
| | | | | | | | | | | | | | |
| ſ | | | | | | | | | | | | | |
| | | : C. B .: | RP-2N6-L 120/208V 225 AMP | | SECT.: PHASE: | 1 3 | WIRES: | 4 | GND.: | RECESS | | | |
| | VOLTS MAIN (MAIN I | : C. B .: BUS: | 120/208V | Category | PHASE: MINIMU | M INTERR | UPTING RAT | TING: | GND.: 22,000A | GROUN | D BUS | Trin Ckt | |
| - - - - - | VOLTS MAIN (MAIN I | : C.B.: BUS: TRIP Amps) | 120/208V 225 AMP 225 AMP DESCRIPTION OF LOAD | Category | PHASE: MINIMU / Load (Va) | M INTERR A | | TING: | GND.: 22,000A Load (Va) | GROUN | D BUS DESCRIPTION OF LOAD | Trip Ckt. (Amps) No. | |
| - - - - - | VOLTS MAIN (MAIN I CKT. No. (2 1 | : C.B.: BUS: TRIP Amps) 20 | 120/208V 225 AMP 225 AMP DESCRIPTION OF LOAD RECEPS RM 2112 | R | PHASE: MINIMU / Load (Va) 540 | M INTERR | UPTING RAT Per Phase (Va B | TING: | GND.: 22,000A Load | GROUN | D BUS | - | |
| - - - - - | VOLTS MAIN (MAIN I CKT. | : BUS: IRIP Amps) 20 20 20 | 120/208V 225 AMP 225 AMP DESCRIPTION OF LOAD RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 | R R R R | PHASE: MINIMU / Load (Va) 540 540 360 | M INTERR A 3036 | UPTING RAT Per Phase (Va | TING: | GND.: 22,000A Load (Va) 2496 2496 2496 | GROUN * Category R R R R | D BUS DESCRIPTION OF LOAD | (Amps) No. 30 2 4 30 6 | |
| - - - - - | VOLTS MAIN (MAIN I CKT. No. (2 1 3 | : C.B.: BUS: TRIP Amps) 20 20 | 120/208V 225 AMP 225 AMP DESCRIPTION OF LOAD RECEPS RM 2112 RECEPS RM 2112 | R R R | PHASE: MINIMU / Load (Va) 540 540 | M INTERR A | UPTING RAT Per Phase (Va B | TING:) C | GND.: 22,000A Load (Va) 2496 2496 | GROUN * Category R R | D BUS DESCRIPTION OF LOAD 208V RECEP LER 22100 | (Amps) No. 30 2 4 | |
| - - - - - | VOLTS MAIN (MAIN I CKT. No. (4 1 3 5 7 9 11 | : C.B.: BUS: TRIP Amps) 20 20 20 20 20 20 20 20 20 20 | 120/208V 225 AMP 225 AMP 225 AMP DESCRIPTION OF LOAD RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 22110 RECEPS RM 22110 RECEPS RM 22110 | R R R R R R R | PHASE: MINIMU / Load (Va) 540 540 360 720 720 720 720 | M INTERR A 3036 3216 | UPTING RAT Per Phase (Va B 3036 | TING:) C | GND.: 22,000A Load (Va) 2496 2496 2496 2496 2496 2496 2496 2496 2496 2496 2496 | GROUN * Category R R R R R R R R R R R R | D BUS DESCRIPTION OF LOAD 208V RECEP LER 22100 208V RECEP RM 22110 | (Amps) No. 30 2 4 30 6 8 20 10 20 12 | |
| - - - - - | VOLTS MAIN (MAIN I CKT. No. (4 1 3 5 7 9 | : C.B.: BUS: IRIP Amps) 20 20 20 20 20 20 20 | 120/208V 225 AMP 225 AMP DESCRIPTION OF LOAD RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 22110 RECEPS RM 22110 | R R R R R R | PHASE: MINIMU / Load (Va) 540 540 360 720 720 | M INTERR A 3036 | UPTING RAT Per Phase (Va B 3036 | TING:) C 2856 | GND.: 22,000A Load (Va) 2496 2496 2496 2496 2496 2496 2496 | GROUN * Category R R R R R R | D BUS DESCRIPTION OF LOAD 208V RECEP LER 22100 208V RECEP RM 22110 | (Amps) No. 30 2 4 30 6 8 20 10 | |
| - - - - - | VOLTS MAIN (MAIN I CKT. 1 3 5 7 9 11 13 15 17 | : C.B.: BUS: IRIP Amps) 20 20 20 20 20 20 20 20 20 20 | 120/208V 225 AMP 225 AMP DESCRIPTION OF LOAD RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 22110 RECEPS RM 22110 RECEPS RM 22110 & LER 22100 RECEPS RM 22110 & LER 22100 RECEPS RM 22114 & 22110 | R R R R R R R R R R R R | PHASE: MINIMU / Load (Va) 540 540 360 720 720 720 720 540 540 540 540 540 | M INTERR A 3036 3216 1260 | UPTING RAT Per Phase (Va B 3036 1440 | TING:) C 2856 | GND.: 22,000A Load (Va) 2496 2496 2496 2496 2496 720 720 720 720 720 720 720 | GROUN * Category R R R R R R R R R R R R | D BUS DESCRIPTION OF LOAD 208V RECEP LER 22100 208V RECEP RM 22110 | (Amps) No. 30 2 4 30 6 8 20 10 20 12 20 14 20 16 20 18 | |
| - - - - - | VOLTS MAIN (MAIN I CKT. 1 3 5 7 9 11 13 15 | : C.B.: BUS: IRIP Amps) 20 20 20 20 20 20 20 20 20 20 | 120/208V 225 AMP 225 AMP 225 AMP DESCRIPTION OF LOAD RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 22110 RECEPS RM 22110 RECEPS RM 22110 RECEPS RM 22110 & LER 22100 RECEPS RM 22110 & LER 22100 | R R R R R R R R R R | PHASE: MINIMU / Load (Va) 540 540 360 720 720 720 540 540 540 540 | M INTERR A 3036 3216 | UPTING RAT Per Phase (Va B 3036 1440 | TING:) C 2856 1440 | GND.: 22,000A (Va) 2496 2496 2496 2496 2496 2496 720 720 720 720 | GROUN * Category R R R R R R R R R R R R R R R R R R R | D BUS DESCRIPTION OF LOAD DESCRIPTION OF LOAD 208V RECEP LER 22100 I 208V RECEP RM 22110 I OVERHEAD SERVICE PANEL RM 22110 I I I I I I I I I I I I I I I I I I | (Amps) No. 30 2 4 30 6 8 20 10 20 12 20 14 20 16 | |
| - - - - - | VOLTS MAIN (MAIN I CKT. No. (2 1 3 5 7 9 11 13 15 17 19 21 23 | : C.B.: BUS: IRIP Amps) 20 20 20 20 20 20 20 20 20 20 | 120/208V 225 AMP 225 AMP 225 AMP DESCRIPTION OF LOAD RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 22110 RECEPS RM 22110 RECEPS RM 22110 RECEPS RM 22110 & LER 22100 RECEPS RM 22110 & LER 22100 RECEPS RM 22114 & 22110 | R R R R R R R R R R R R R R R R | PHASE: MINIMU / Load (Va) 540 540 540 720 720 720 720 540 540 540 540 540 540 540 540 540 540 540 540 540 540 540 540 540 540 540 540 | M INTERR A 3036 3216 1260 1260 | UPTING RAT Per Phase (Va B 3036 1440 1260 | TING:) C 2856 1440 | GND.: 22,000A (Va) 2496 2496 2496 2496 2496 720 720 720 720 720 720 720 720 | GROUN Category R R R R R R R R R R R R R | D BUS DESCRIPTION OF LOAD DESCRIPTION OF LOAD 208V RECEP LER 22100 I 208V RECEP RM 22110 I OVERHEAD SERVICE PANEL RM 22110 I OVERHEAD SERVICE PANEL RM 22110 I OVERHEAD SERVICE PANEL RM 22110 I I I I I I I I I I I I I I I I I I | (Amps) No. 30 2 4 30 6 8 20 10 20 12 20 14 20 16 20 18 20 20 20 22 20 24 | |
| - - - - - | VOLTS MAIN (MAIN I CKT. No. (1 3 5 7 9 11 13 15 17 19 21 | : C.B.: BUS: IRIP Amps) 20 20 20 20 20 20 20 20 20 20 | 120/208V 225 AMP 225 AMP DESCRIPTION OF LOAD RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 22110 RECEPS RM 22110 RECEPS RM 22110 RECEPS RM 22110 & LER 22100 RECEPS RM 22110 & LER 22100 RECEPS RM 22114 & 22110 RECEPS RM 22114 & 22110 | R R R R R R R R R R R R R R R | PHASE: MINIMU / Load (Va) 540 540 360 720 720 720 720 540 540 540 540 540 540 540 54 | M INTERR A 3036 3216 1260 | UPTING RAT Per Phase (Va B 3036 1440 1260 | TING:) C 2856 1440 1260 | GND.: 22,000A Load (Va) 2496 2496 2496 2496 2496 720 720 720 720 720 720 720 720 | GROUN * Category R R R R R R R R R R R R R R R R R R R | D BUS DESCRIPTION OF LOAD DESCRIPTION OF LOAD 208V RECEP LER 22100 I 208V RECEP RM 22110 I OVERHEAD SERVICE PANEL RM 22110 I I I I I I I I I I I I I I I I I I | (Amps) No. 30 2 4 30 6 8 20 10 20 12 20 14 20 16 20 18 20 20 20 20 | |
| - - - - - | VOLTS MAIN (MAIN I CKT. No. (2 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29 | : C.B.: BUS: IRIP Amps) 20 20 20 20 20 20 20 20 20 20 | 120/208V 225 AMP 225 AMP DESCRIPTION OF LOAD RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 22110 RECEPS RM 22110 RECEPS RM 22110 & LER 22100 RECEPS RM 22110 & LER 22100 RECEPS RM 22114 & 22110 RECEPS RM 22114 & 22110 RECEPS RM 22114 & 22110 RECEPS RM 22114 & 22110 RECEPS RM 22114 & 22110 | R | PHASE: MINIMU / Load (Va) 540 540 360 720 720 720 720 540 540 540 540 540 540 540 2496 2496 2496 2496 | M INTERR A 3036 3216 1260 1260 4996 | UPTING RAT Per Phase (Va B 3036 1440 1260 | TING:) C 2856 1440 1260 | GND.: 22,000A (Va) 2496 2496 2496 2496 2496 720 720 720 720 720 720 720 720 | GROUN * Category R R R R R R R R R R R R R R R R R R | D BUS DESCRIPTION OF LOAD DESCRIPTION OF LOAD 208V RECEP LER 22100 I 208V RECEP RM 22110 I OVERHEAD SERVICE PANEL RM 22110 I OVERHEAD SERVICE PANEL RM 22110 I OVERHEAD SERVICE PANEL RM 22110 I I I I I I I I I I I I I I I I I I | (Amps) No. 30 2 4 30 6 8 20 10 20 12 20 14 20 16 20 18 20 20 20 20 20 24 30 26 28 30 30 | |
| - - - - - | VOLTS MAIN (MAIN I CKT. No. (2 1 3 5 7 9 11 13 15 17 19 21 23 25 27 | : C.B.: BUS: IRIP Amps) 20 20 20 20 20 20 20 20 20 20 | 120/208V 225 AMP 225 AMP DESCRIPTION OF LOAD RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 22110 RECEPS RM 22110 RECEPS RM 22110 RECEPS RM 22110 & LER 22100 RECEPS RM 22110 & LER 22100 RECEPS RM 22114 & 22110 RECEPS RM 22114 & 22110 RECEPS RM 22114 & 22110 RECEPS RM 22114 & 22110 | R R R R R R R R R R R R R R R R R R | PHASE: MINIMU / Load (Va) 540 540 360 720 720 720 720 720 540 540 540 540 540 540 540 2496 2496 2496 | M INTERR A 3036 3216 1260 1260 | UPTING RAT Per Phase (Va B 3036 1440 1260 | TING:) C 2856 1440 1260 3216 | GND.: 22,000A (Va) 2496 2496 2496 2496 2496 720 720 720 720 720 720 720 720 | GROUN Category R R R R R R R R R R R R R | D BUS DESCRIPTION OF LOAD DESCRIPTION OF LOAD 208V RECEP LER 22100 I 208V RECEP RM 22110 OVERHEAD SERVICE PANEL RM 22110 I OUERHEAD SERVICE PANEL RM 200 I OUERHEAD SERVICE | (Amps) No. 30 2 4 30 6 8 20 10 20 12 20 12 20 14 20 16 20 18 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 24 30 26 28 | $\left\{ \begin{array}{c} 3\\ 3\\ 3 \end{array} \right\}$ |
| - - - - - | VOLTS MAIN (MAIN I CKT. No. (2 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 | : C.B.: BUS: BUS: IRIP 20 20 20 20 20 20 20 20 20 20 20 20 20 | 120/208V 225 AMP 225 AMP 225 AMP DESCRIPTION OF LOAD RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 22110 RECEPS RM 22110 RECEPS RM 22110 RECEPS RM 22110 & LER 22100 RECEPS RM 22110 & LER 22100 RECEPS RM 22114 & 22110 RECEPS RM 22112 CLG SERVICE PNL 22110 L5-20R CLG SERVICE PNL 22110 L5-20R | R | PHASE: MINIMU / Load (Va) 540 540 360 720 720 720 720 720 540 540 540 540 540 540 540 2496 2496 2496 2496 2496 180 180 180 | M INTERR A 3036 3216 1260 1260 4996 2680 | UPTING RAT Per Phase (Va B 3036 1440 1260 1260 4996 | TING:) C 2856 1440 1260 3216 | GND.: 22,000A (Va) 2496 2496 2496 2496 2496 720 720 720 720 720 720 720 720 | GROUN * Category R R R R R R R R R R R R R R R R R R | D BUS DESCRIPTION OF LOAD 208V RECEP LER 22100 1 208V RECEP RM 22110 208V RECEP RM 22110 0VERHEAD SERVICE PANEL RM 22110 0VERHEAD SERVICE PANEL RM 22110 1 0VERHEAD SERVICE PANEL RM 22110 1 < | (Amps) No. 30 2 4 30 6 8 20 10 20 12 20 12 20 14 20 16 20 18 20 20 20 20 20 20 20 24 30 26 28 30 30 32 20 34 20 36 | $\left \begin{array}{c} 3 \\ 3 \\ 2 \end{array} \right $ |
| - - - - - | VOLTS MAIN (MAIN I CKT. No. (2 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 | : C.B.: BUS: IRIP Amps) 20 20 20 20 20 20 20 20 20 20 | 120/208V 225 AMP 225 AMP DESCRIPTION OF LOAD RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 22110 RECEPS RM 22110 RECEPS RM 22110 & LER 22100 RECEPS RM 22110 & LER 22100 RECEPS RM 22114 & 22110 RECEPS RM 22114 & 22110 | R | PHASE: MINIMU / Load (Va) 540 540 360 720 720 720 720 540 540 540 540 540 540 540 2496 2496 2496 2496 180 180 | M INTERR A 3036 3216 1260 1260 4996 | UPTING RAT Per Phase (Va B 3036 1440 1260 1260 4996 | TING:) C 2856 1440 1260 3216 4996 | GND.: 22,000A (Va) 2496 2496 2496 2496 2496 720 720 720 720 720 720 720 720 | GROUN * Category R R R R R R R R R R R R R R R R R R | D BUS DESCRIPTION OF LOAD 208V RECEP LER 22100 1 208V RECEP RM 22110 208V RECEP RM 22110 1 208V RECEP RM 22110 1 0VERHEAD SERVICE PANEL RM 22110 1 | (Amps) No. 30 2 4 30 6 8 20 10 20 12 20 12 20 14 20 16 20 18 20 20 20 20 20 24 30 26 28 30 30 32 20 34 | $\left.\right\} \underbrace{3}{2}$ |
| - - - - - | VOLTS MAIN 0 MAIN 1 CKT. No. (4 1 3 5 7 9 11 13 15 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 | : C.B.: BUS: IRIP Amps) 20 20 20 20 20 20 20 20 20 20 | 120/208V 225 AMP 225 AMP DESCRIPTION OF LOAD RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 22110 RECEPS RM 22110 RECEPS RM 22110 & LER 22100 RECEPS RM 22110 & LER 22100 RECEPS RM 22114 & 22110 RECEPS RM 22112 CLG SERVICE PNL 22110 L5-20R CLG SERVICE PNL 22110 L5-20R | R | PHASE: MINIMU / Load (Va) 540 540 360 720 720 720 720 540 540 540 540 540 540 540 54 | M INTERR A 3036 3216 1260 1260 4996 2680 | UPTING RAT Per Phase (Va B 3036 1440 1260 1260 4996 1080 | TING:) C 2856 1440 1260 3216 4996 | GND.: 22,000A (Va) 2496 2496 2496 2496 2496 720 720 720 720 720 720 720 720 | GROUN * Category R R R R R R R R R R R R R R R R R R | D BUS DESCRIPTION OF LOAD 208V RECEP LER 22100 1 208V RECEP RM 22110 208V RECEP RM 22110 0VERHEAD SERVICE PANEL RM 22110 1 | (Amps) No. 30 2 4 30 6 8 20 10 20 12 20 12 20 14 20 16 20 18 20 20 20 20 20 24 30 26 28 30 30 20 34 20 34 20 38 | $\left.\right\} \\ \left.\right\} \\ $ |
| - - - - - | VOLTS MAIN 0 MAIN 1 CKT. No. (4 1 3 5 7 9 11 13 15 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 | : C.B.: BUS: IRIP Amps) 20 20 20 20 20 20 20 20 20 20 | 120/208V 225 AMP 225 AMP 225 AMP DESCRIPTION OF LOAD RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 2112 RECEPS RM 22110 RECEPS RM 22110 RECEPS RM 22110 & LER 22100 RECEPS RM 22110 & LER 22100 RECEPS RM 22114 & 22110 RECEPS RM 22112 CLG SERVICE PNL 22110 L5-20R CLG SERVICE PNL 22110 L5-20R CLG SERVICE PNL 22110 L5-20R | R R <tr td=""> <!--</td--><td>PHASE: MINIMU / Load (Va) 540 540 360 720 720 720 720 540 540 540 540 540 540 540 2496 2496 2496 2496 2496 2496 180 180 180 180</td><td>M INTERR A 3036 3216 1260 1260 4996 2680</td><td>UPTING RAT Per Phase (Va B 3036 1440 1260 1260 4996 1080</td><td>TING:) C 2856 1440 1260 3216 4996 1080</td><td>GND.: 22,000A (Va) 2496 2496 2496 2496 2496 720 720 720 720 720 720 720 720</td><td>GROUN * Category R R R R R R R R R R R R R R R R R R</td><td>D BUS DESCRIPTION OF LOAD 208V RECEP LER 22100 1 208V RECEP RM 22110 208V RECEP RM 22110 0VERHEAD SERVICE PANEL 22110 1</td><td>(Amps) No. 30 2 4 30 6 4 30 6 8 20 10 20 12 20 14 20 16 20 18 20 20 20 20 20 24 30 26 28 30 30 32 20 34 20 36 20 38 20 38</td><td>$\left.\right\} \\ \left.\right\} \\$</td></tr> | PHASE: MINIMU / Load (Va) 540 540 360 720 720 720 720 540 540 540 540 540 540 540 2496 2496 2496 2496 2496 2496 180 180 180 180 | M INTERR A 3036 3216 1260 1260 4996 2680 | UPTING RAT Per Phase (Va B 3036 1440 1260 1260 4996 1080 | TING:) C 2856 1440 1260 3216 4996 1080 | GND.: 22,000A (Va) 2496 2496 2496 2496 2496 720 720 720 720 720 720 720 720 | GROUN * Category R R R R R R R R R R R R R R R R R R | D BUS DESCRIPTION OF LOAD 208V RECEP LER 22100 1 208V RECEP RM 22110 208V RECEP RM 22110 0VERHEAD SERVICE PANEL 22110 1 | (Amps) No. 30 2 4 30 6 4 30 6 8 20 10 20 12 20 14 20 16 20 18 20 20 20 20 20 24 30 26 28 30 30 32 20 34 20 36 20 38 20 38 | $\left.\right\} \\ \left.\right\} \\ $ |
| PHASE: MINIMU / Load (Va) 540 540 360 720 720 720 720 540 540 540 540 540 540 540 2496 2496 2496 2496 2496 2496 180 180 180 180 | M INTERR A 3036 3216 1260 1260 4996 2680 | UPTING RAT Per Phase (Va B 3036 1440 1260 1260 4996 1080 | TING:) C 2856 1440 1260 3216 4996 1080 | GND.: 22,000A (Va) 2496 2496 2496 2496 2496 720 720 720 720 720 720 720 720 | GROUN * Category R R R R R R R R R R R R R R R R R R | D BUS DESCRIPTION OF LOAD 208V RECEP LER 22100 1 208V RECEP RM 22110 208V RECEP RM 22110 0VERHEAD SERVICE PANEL 22110 1 | (Amps) No. 30 2 4 30 6 4 30 6 8 20 10 20 12 20 14 20 16 20 18 20 20 20 20 20 24 30 26 28 30 30 32 20 34 20 36 20 38 20 38 | $\left.\right\} \\ \left.\right\} \\ $ | | | | | |

| 6 | 7 | | 8 | | 9 | 10 | | 11 | | , , |
|---|---|--|---|--------------------|--|--|---|---|---|--------|
| | | | | | | | | GENERAL NOTES: 1. REFER TO SHEET E-000 FOR SYMBOLS AND ABBREVIATIONS. 2. ALL PANELS, CIRCUITS, AND BREAKERS ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE. | Flad Architectural/ Engineering Design, PC 24 Fifth Avenue, Ste. 510 New York, NY 10016 Tel 212-287-3008 Zar2-213-2850 www.flad.com AEI Affiliated Engineers, P.C. | K |
| | | | | | | | | | THE OF NEW YORK | J |
| | | | | | | | | | BY: | Н |
| | | | | | | | | SHEET KEYNOTES: Image: PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. Image: PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. Image: PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. Image: PROVIDE NEW BREAKER FOR NEW LOAD. Image: PROVIDE NEW PANELBOARD, REFE TO SHEET E-403 FOR PARTIAL ONE-LINE DIAGRAM. | ER | G |
| VOLTS:120/MAIN C.B.:225MAIN BUS:225CKT.TRIPNo.(Amps) | AMP C C DESCRIPTION OF LOAD | Category Load (Va) | 2 3 WIRES M INTERRUPTING R Per Phase (A B | RATING: | | DESCRIPTION OF LOAD | Trip Ckt. (Amps) No. | <u>).</u> | 0 05/06/19 Construction Documents Rev Date Description of Issue Project Title Image: Construction Documents Image: Construction Documents Description of Issue Image: Construction Documents Image: Construction Documents Project Title Image: Construction Documents Image: Construction Documents Documents Image: Construction Documents Image: Construction Documents Image: Construction Documents Image: Construction Documents Image: Construction Documents Image: Construction Documents Image: Construction Documents Image: Construction Documents Image: Construction Documents Image: Construction Documents Image: Construction Documents Image: Construction Documents Image: Construction Documents Image: Construction Documents Image: Construction Documents I | F |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | SERVICE PNL 22110 L5-20R | R 180 R 2500 | 2676 2676 900 900 3220 | 900 | 2496 R 720 R OVERH 720 R 720 R 720 R 720 R | ECEP RM 22114 HEAD SERVICE PANEL RM 22110 HEAD SERVICE PANEL RM 22110 HEAD SERVICE PANEL RM 22110 | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 5 3) 2 4 | DASNY Project Number - 257110 The City University of New York | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | SERVICE PNL 22110 L6-30R | R 2500 R 2500 R 2500 | 3220 3220 3220 180 | 3220 | 720 R 604141 720 R 720 R 720 R 9000000000000000000000000000000000000 | | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 3) 2 | ASRC Photonics Lab | E |
| · · · · · · · · · · · · · · · · · · · | SERVICE PNL 22110 L5-20R SERVICE PNL 22110 L5-20R SERVICE PNL 22110 L5-20R | R 180 R 180 R 180 | 180 | 180 | SPARE SPARE | | 20 66 20 68 | 5 | Renovations | - |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | SERVICE PNL 22110 L5-20R | R 180 R 180 R 180 R 180 R 180 R 2500 R 2500 R 2500 | 180 180 180 180 2500 2500 | 180 2500 | Image: space of the space of | E E E E E E E E | 20 68 20 70 20 72 20 74 20 76 20 78 20 80 | 5 3) 2 4 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 | The City College of New York 85 St Nicholas Terrace | D |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | SERVICE PNL 22110 L5-20R SERVICE PNL 22110 L6-30R SERVICE PNL 22110 L6-30R DES CTED LIGHTING LOAD (KVA): CTED RECEPTACLE LOAD (KVA): | R 180 R 180 R 180 R 180 R 2500 R 2500 R 2500 R 2500 Q 432 0.00 32.91 | 180 180 180 180 2500 | 180 2500 432 | SPARE SPARE SPARE SPARE SPARE SPARE SPARE | E E E E E E E E | 20 68 20 70 20 72 20 74 20 76 20 78 | | The City College of New York | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | SERVICE PNL 22110 L5-20R SERVICE PNL 22110 L6-30R SERVICE PNL 22110 L6-30R DES DES CTED LIGHTING LOAD (KVA): CTED RECEPTACLE LOAD (KVA): CTED OTHER LOAD (KVA): CTED LOAD (KVA): D LOAD (KVA): | R 180 R 180 R 180 R 180 R 180 R 2500 R 2500 R 2500 R 2500 R 2500 O 432 0.00 | 180 180 180 180 2500 2500 12876 12156 | 180 2500 432 | SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE | E E E E E E E E | 20 68 20 70 20 72 20 74 20 76 20 78 20 80 20 82 | | The City College of New York 85 St Nicholas Terrace New York, NY 10027 DASNY # 257110 Scale Company Drawn By Affiliated Engineers Project Phase CONSTRUCTION DOCUMENTS Drawn By Affiliated Engineers Project Phase CONSTRUCTION DOCUMENTS Date 05/06/2019 Drawn By AEI Flad Project Number Checked By | C |
| 67 20 CLG 69 20 CLG 71 20 CLG 73 20 CLG 73 20 CLG 75 30 CLG 77 1 1 79 30 CLG 81 1 1 83 20 SHAI TOTAL CONNEC TOTAL CONNEC TOTAL CONNEC TOTAL CONNEC TOTAL CONNEC TOTAL DEMAND TOTAL DEMAND | SERVICE PNL 22110 L5-20R SERVICE PNL 22110 L6-30R SERVICE PNL 22110 L6-30R DES DES CTED LIGHTING LOAD (KVA): CTED RECEPTACLE LOAD (KVA): CTED OTHER LOAD (KVA): CTED LOAD (KVA): D LOAD (KVA): | R 180 R 180 R 180 R 180 R 180 R 2500 R 2500 R 2500 R 2500 R 2500 O 432 0.00 32.91 0.43 33.34 21.89 | 180 180 180 180 2500 2500 12876 12156 | 180 2500 432 | SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE | E E E E E E E E | 20 68 20 70 20 72 20 74 20 76 20 78 20 80 20 82 | | The City College of New York 85 St Nicholas Terrace New York, NY 10027 DASNY # 257110 Scale Company Drawn By Affiliated Engineers Project Phase CONSTRUCTION DOCUMENTS Date 05/06/2019 Flad Project Number 05/06/2019 Flad Project Number 05/432-82 Sheet Title Electrical Panel Schedules | |
| 67 20 CLG 69 20 CLG 71 20 CLG 73 20 CLG 73 20 CLG 75 30 CLG 77 1 1 79 30 CLG 81 1 1 83 20 SHAI TOTAL CONNEC TOTAL CONNEC TOTAL CONNEC TOTAL CONNEC TOTAL CONNEC TOTAL DEMAND TOTAL DEMAND | SERVICE PNL 22110 L5-20R SERVICE PNL 22110 L6-30R SERVICE PNL 22110 L6-30R DES DES CTED LIGHTING LOAD (KVA): CTED RECEPTACLE LOAD (KVA): CTED OTHER LOAD (KVA): CTED LOAD (KVA): D LOAD (KVA): | R 180 R 180 R 180 R 180 R 180 R 2500 R 2500 R 2500 R 2500 R 2500 O 432 0.00 32.91 0.43 33.34 21.89 | 180 180 180 180 2500 2500 12876 12156 | 180 2500 432 | SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE | E E E E E E E E | 20 68 20 70 20 72 20 74 20 76 20 78 20 80 20 82 | | The City College of New York 85 St Nicholas Terrace New York, NY 10027 Dasny # 257110 Scale Company Drawn By Affiliated Engineers Project Phase CONSTRUCTION DOCUMENTS Date 05/06/2019 Drawn By AEI Flad Project Number 05/432-82 Checked By AEI Sheet Title | |

| | | | | | | | | | - | F | | | | | | | |
|------------|--|---|--|---|--|--|---|---|---------------|-------------|--|--|---|----------------------------|--|--|--|
| | PANEL: RP-2N7-L VOLTS: 120/208V | SEC ⁷ PHA | | WIRES: | | IG.: RECES | | | | | PANEL: RP-2N7-R VOLTS: 120/208V | SECT.: PHASE: | 2 3 WIRES: | 4 | MTG.: REC GND.: GRC | | |
| | MAIN C.B.: 225 AMP | ГПА | SE. 5 | WINES. | 4 01 | $\mathbf{D}_{\cdot\cdot}$ UKOU | JIND BUS | | | | MAIN C.B.: 225 AMP | FIIASE. | 5 WINES. | 4 | UND UK | JUND BUS | |
| | MAIN BUS: 225 AMP | MIN | IMUM INTEI | RUPTING RA | TING: 22,0 | 000A* | | | | | MAIN BUS: 225 AMP | MINIMUM | INTERRUPTING R | ATING: | 22,000A* | | |
| | CKT. TRIP | Category Loa | ad | Per Phase (V | a) L | oad Catego | | Trip Ck | | C | CKT. TRIP | Category Load | Per Phase (| /a) | Load Cate | | Trip (|
| | No. (Amps) DESCRIPTION OF LOAD | (Va | | В | | Va) | DESCRIPTION OF LOAD | (Amps) No | | | No. (Amps) DESCRIPTION OF LOAD | (Va) | A B | C | (Va) | DESCRIPTION OF LOAD | (Amps) |
| | 1 20 RECEPS RM 22118 | R 54 | | 700 | | 180 R | CLG SERVICE PNL 22110 L5-20R | 20 2 | -1) | | 43 20 RECEPS RM 22120 45 20 RECEPS RM 22120 | R 720 | 900 | | 180 | R CLG SERVICE PNL 22120 L5-20R | 20 |
| | 3 20 RECEPS RM 22118 5 20 RECEPS RM 22118 & 22110 | R 54 R 54 | | 720 | 1 | 180 R 180 R | CLG SERVICE PNL 22110 L5-20R CLG SERVICE PNL 22110 L5-20R | $\begin{array}{c ccc} 20 & 4 \\ \hline 20 & 6 \\ \end{array}$ | -1 | | 45 20 RECEPS RM 22120 47 20 RECEPS RM 22120 | R 720 R 720 | 900 | 900 | 180 180 | RCLG SERVICE PNL 22120 L5-20RRCLG SERVICE PNL 22120 L5-20R | 20 |
| | 7 20 RECEPS RM 22110 | R 72 | | | | 180 R | CLG SERVICE PNL 22110 L5-20R | 20 8 | $ X_1\rangle$ | | 49 20 RECEPS RM 22124 | R 540 | 720 | 700 | 180 | R CLG SERVICE PNL 22120 L5-20R R CLG SERVICE PNL 22120 L5-20R | 20 20 20 20 20 20 20 20 20 20 20 20 20 2 |
| | 9 20 RECEPS RM 22110 | R 72 | | 900 | | 180 R | CLG SERVICE PNL 22110 L5-20R | 20 10 | | | 51 20 RECEPS RM 22124 | R 540 | 720 | | 180 | R CLG SERVICE PNL 22120 L5-20R | 20 |
| | 11 20 RECEPS RM 22110 | R 72 | | | 1 | 180 R | CLG SERVICE PNL 22110 L5-20R | 20 12 | J | | 53 20 RECEPS RM 22124 & 22120 | R 540 | | 720 | 180 | R CLG SERVICE PNL 22120 L5-20R | 20 |
| | 13 20 RECEPS RM 22110 | R 36 | 0 2860 | | 2: | 500 R | CLG SERVICE PNL 22110 L6-30R | 30 14 | ר[| | 55 20 RECEPS RM 22120 | R 720 | 3220 | | 2500 | R CLG SERVICE PNL 22120 L6-30R | 30 |
| | 15 20 RECEPS RM 22110 | R 36 | 0 | 2860 | 2: | 500 R | | 10 | | | 57 20 RECEPS RM 22120 | R 720 | 3220 | | 2500 | R | |
| | 17 30 208V RECEP RM 22118 | R 249 | | | | 500 R | CLG SERVICE PNL 22110 L6-30R | 30 18 | | | 59 20 RECEPS RM 22120 | R 720 | | 3220 | 2500 | R CLG SERVICE PNL 22120 L6-30R | 30 |
| | | R 249 | | | | 500 R | | 20 21 | _ | | 61 30 208V RECEP RM 22120 | R 2496 | 4996 | | 2500 | R | |
| | 21 30 208V RECEP RM 22110 | R 249 | | 2676 | 1 | 180 R | CLG SERVICE PNL 22110 L5-20R | 20 22 | -1) | | | R 2496 | 2676 | 2(7(| 180 | R CLG SERVICE PNL 22120 L5-20R | 20 20 |
| , | 25 30 CLG SERVICE PNL 22110 L6-30R | R 249 R 250 | | | + | 180 R 180 R | CLG SERVICE PNL 22110 L5-20R CLG SERVICE PNL 22110 L5-20R | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | 65 30 208V RECEP RM 22120 67 1 1 | R 2496 R 2496 | 2676 | 2676 | 180 | R CLG SERVICE PNL 22120 L5-20R P CLC SERVICE PNL 22120 L5 20R | |
| $ \land [$ | 23 30 CLG SERVICE PNL 22110 L0-30R | R 250 | | 2680 | | 180 R | CLG SERVICE PNL 22110 L5-20R | 20 20 20 | -1 $(/ 1)$ | | 67 69 30 208V RECEP RM 22124 | R 2496 | 2676 | | 180 180 | RCLG SERVICE PNL 22120 L5-20RRCLG SERVICE PNL 22120 L5-20R | 20 |
| 3X | 29 30 CLG SERVICE PNL 22110 L6-30R | R 250 | | 2000 | | 180 R | CLG SERVICE PNL 22110 L5-20R | 20 20 | $ \sim$ | - | 71 | R 2496 | 2010 | 2676 | 180 | RCLG SERVICE PNL 22120 L5-20RRCLG SERVICE PNL 22120 L5-20R | 20 20 |
| × (| | R 250 | | | | 180 R | CLG SERVICE PNL 22110 L5-20R | 20 32 | | | 73 30 LER 22100 CHILLER D02 | 0 1300 | 1480 | 2070 | 180 | R CLG SERVICE INL 22120 L5-20R | 20 |
| 1 | 33 20 CLG SERVICE PNL 22110 L5-20R | R 18 | | 2680 | | 500 R | CLG SERVICE PNL 22110 L6-30R | 30 34 | | $\sqrt{3}$ | 75 | 0 1300 | 3800 | | 2500 | R CLG SERVICE PNL 22120 L6-30R | 30 7 |
| | 35 20 CLG SERVICE PNL 22110 L5-20R | R 18 | 0 | | 2680 2 : | 500 R | | 30 | | | 77 20 ENTRY-GUARD PWR | O 240 | | 2740 | 2500 | R | |
| ^{2}X | 37 20 CLG SERVICE PNL 22110 L5-20R | R 18 | 0 2680 | | 2 | 500 R | CLG SERVICE PNL 22110 L6-30R | 30 38 | | | 77 20 ENTRY-GUARD PWR 79 20 ENTRY-GUARD PWR | O 240 | 2740 | | 2500 | R CLG SERVICE PNL 22120 L6-30R | 30 |
| ~ | 39 20 CLG SERVICE PNL 22110 L5-20R | R 18 | | 2680 | | 500 R | | 40 | \neg | | 81 20 SPARE | | 2500 | | 2500 | R | |
| l | 41 20 CLG SERVICE PNL 22110 L5-20R | R 18 | 0 | | 360 1 | 180 R | CLG SERVICE PNL 22110 L5-20R | 20 42 | (2) | | 83 20 SHADES | O 144 | | 144 | | SPARE | 20 |
| | | | 17516 | 15196 | 15012 | | | | | | | | | | | | |
| | TOTAL CONNECTED RECEPTACLE LOAD (K TOTAL CONNECTED OTHER LOAD (KVA): TOTAL CONNECTED LOAD (KVA): TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): | (47 28 | 7.72 0.00 7.72 3.86 0.17 | | | | | | | ר ד ד | FOTAL CONNECTED RECEPTACLE LOAD (K FOTAL CONNECTED OTHER LOAD (KVA): FOTAL CONNECTED LOAD (KVA): FOTAL DEMAND LOAD (KVA): FOTAL DEMAND LOAD (AMPS): | VA): 43.08 3.22 46.30 29.76 82.67 | | | | | |
| | | | | | | | | | _ | | | | 2 | | | | |
| | PANEL: RP-2N9-L | SEC' | | | | IG.: RECES | | | | | PANEL: RP-2N9-R VOLTS: 120/208V | SECT.: PHASE: | 2 3 WIRFS | - <u></u> | MTG.: RE | | |
| | VOLTS: 120/208V | SEC' PHA | | WIRES: | | IG.: RECES | | | | V | PANEL: RP-2N9-R VOLTS: 120/208V MAIN C.B.: 225 AMP | SECT.: PHASE: | 2 3 WIRES | . 4 | MTG.: RE GND.: GR | | |
| | VOLTS: 120/208V MAIN C.B.: 225 AMP | PHA | SE: 3 | | 4 GN | ND.: GROU | | | | N N | VOLTS: 120/208V | PHASE: | 2 3 WIRES | | | | |
| | VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP | PHA MIN | SE: 3 | RRUPTING RA | 4 GN TING: 22,0 | ND.: GROU | JND BUS | Trip | | N N | VOLTS: 120/208V MAIN C.B.: 225 AMP | PHASE: | | ATING: | GND.: GR | OUND BUS | Trip |
| | VOLTS: 120/208V MAIN C.B.: 225 AMP | PHA | SE: 3 IMUM INTE ad | | 4 GN TING: 22,0 a) L | ND.: GROU | JND BUS | Trip Ck (Amps) No | | N N C | VOLTS:120/208VMAIN C.B.:225 AMPMAIN BUS:225 AMPCKT.TRIPNo.(Amps)DESCRIPTION OF LOAD | PHASE: MINIMUN | INTERRUPTING F | ATING: | GND.: GR 22,000A* Load Cat (Va) | OUND BUS | |
| | VOLTS:120/208VMAIN C.B.:225 AMPMAIN BUS:225 AMPCKT.TRIP | PHA MIN Category Los | SE: 3 IMUM INTE ad a) A | RUPTING RA Per Phase (V B | $\begin{array}{c c} 4 & GN \\ \hline TING: 22,0 \\ \hline a) & L \\ \hline C & () \\ \end{array}$ | ND.: GROU 000A* Load Catego | JND BUS | (Amps) No 20 2 | <u>.</u> | | VOLTS:120/208VMAIN C.B.:225 AMPMAIN BUS:225 AMPCKT.TRIPNo.(Amps)DESCRIPTION OF LOAD | PHASE: MINIMUM Category Load | INTERRUPTING F | ATING: | GND.: GR 22,000A* Load Cat | OUND BUS | (Amps) 20 |
| | VOLTS:120/208VMAIN C.B.:225 AMPMAIN BUS:225 AMPCKT.TRIPNo.(Amps)DESCRIPTION OF LOAD | PHA MIN Category Los (V | SE: 3 IMUM INTE ad a) A :0 1440 | RUPTING RA Per Phase (V B | $\begin{array}{c c} 4 & GN \\ \hline TING: 22,0 \\ \hline a) & L \\ \hline C & () \\ \hline & 7 \\$ | $ \begin{array}{c cccccccccccccccccccccccccccccccccc$ | JND BUS ory DESCRIPTION OF LOAD | (Amps) No 20 2 20 4 | - | | VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP CKT. TRIP No. (Amps) DESCRIPTION OF LOAD 43 20 22121 RECEP 45 20 | PHASE: MINIMUM Category Load (Va) R 180 R 180 | INTERRUPTING F Per Phase (A B | ATING: Va) C | GND.: GR 22,000A* Load Cat (Va) 500 500 | OUND BUS regory DESCRIPTION OF LOAD | (Amps) 20 20 |
| | VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP CKT. TRIP No. (Amps) DESCRIPTION OF LOAD 1 20 RECEPS RM 22121 3 20 RECEPS RM 22121 & 22100 5 20 | PHA MIN Category Los (V R 72 | SE: 3 IMUM INTE ad a) A 0 1440 0 | RUPTING RA Per Phase (V B | $\begin{array}{c c} 4 & GN \\ \hline TING: 22,0 \\ \hline a) & L \\ \hline C & () \\ \hline 7 \\ \hline \hline 7 \\ \hline \hline 7 \\ \hline \hline$ | ND.: GROU 000A* Load Catego Va) 720 R | JND BUS ory DESCRIPTION OF LOAD RECEPS RM 22130 | (Amps) No 20 2 | | | VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP CKT. TRIP No. (Amps) DESCRIPTION OF LOAD 43 20 22121 RECEP 45 20 21212 RECEP 47 30 208VRECEP RM 22130 | PHASE: MINIMUM Category Load (Va) R 180 R 180 R 180 R 180 R 2496 | INTERRUPTING F Per Phase (A B 680 680 680 | ATING: | GND.: GR 22,000A* Load Cat (Va) 500 500 500 | OUND BUS regory DESCRIPTION OF LOAD R PWR POLE 22130 5-20R R PWR POLE 22130 5-20R R PWR POLE 22130 5-20R | (Amps) 20 20 20 |
| | VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP CKT. TRIP No. (Amps) DESCRIPTION OF LOAD 1 20 RECEPS RM 22121 3 20 RECEPS RM 22121 & 22100 5 20 RECEPS RM 22121 & 22100 7 20 RECEPS RM 22134 | PHA Category Los (V (V R 72 R 72 R 54 R 72 R 54 | SE: 3 IMUM INTE ad a) A 0 1440 0 0 0 0 3216 | RUPTING RA Per Phase (V B 1440 | 4 GN TING: 22,0 a) L C (0 7 1260 7 2 | ND.: GROU 000A* 000A 000A 000A 000A 000 000 | JND BUS Ory DESCRIPTION OF LOAD RECEPS RM 22130 RECEPS RM 22130 | (Amps) No 20 2 20 4 20 6 30 8 | - | | VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP CKT. TRIP No. (Amps) DESCRIPTION OF LOAD 43 20 2121 RECEP 45 20 2121 RECEP 47 30 49 | PHASE: MINIMUM Category Load (Va) R 180 R 180 R 180 R 180 R 2496 R | INTERRUPTING F A B 680 680 2996 | ATING: Va) C 2996 | GND.: GR 22,000A* Load Cat (Va) 500 500 500 500 | OUND BUS Tegory DESCRIPTION OF LOAD R PWR POLE 22130 5-20R R PWR POLE 22130 5-20R R PWR POLE 22130 5-20R R PWR POLE 22130 5-20R | (Amps) 20 20 20 20 20 |
| | VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP CKT. TRIP No. (Amps) DESCRIPTION OF LOAD 1 20 RECEPS RM 22121 3 20 RECEPS RM 22121 & 22100 5 20 7 20 RECEPS RM 22134 9 20 RECEPS RM 22134 | PHA Category Los Category Los (V R 72 R 72 R 54 R 54 R 54 R 54 | SE: 3 IMUM INTE ad a) A (0) 1440 (0) | RUPTING RA Per Phase (V B | 4 GN TING: 22,0 (a) L C ((77 1260 77 1260 77 22 2 | ND.: GROU 000A* 000A | JND BUS ory DESCRIPTION OF LOAD RECEPS RM 22130 RECEPS RM 22130 RECEPS RM 22130 208V RECEP RM 22121 | (Amps) No 20 2 20 4 20 6 30 8 10 | - | | VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP CKT. TRIP No. (Amps) DESCRIPTION OF LOAD 43 20 22121 RECEP 45 20 21212 RECEP 47 30 208VRECEP RM 22130 | PHASE: MINIMUM Category Load (Va) (Va) R 180 R 180 R 2496 R 2496 R 2496 R 2496 | INTERRUPTING F Per Phase (A B 680 680 680 | ATING: Va) C 2996 | GND.: GR 22,000A* Load Cat (Va) 500 500 500 500 500 500 | OUND BUSregoryDESCRIPTION OF LOADRPWR POLE 22130 5-20RRPWR POLE 22130 5-20R | 20 20 20 20 20 20 20 |
| | VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP CKT. TRIP No. (Amps) DESCRIPTION OF LOAD 1 20 RECEPS RM 22121 3 20 RECEPS RM 22121 & 22100 5 20 RECEPS RM 22121 & 22100 7 20 RECEPS RM 22134 | PHA Category Log Category Log R 72 R 72 R 54 R 54 | SE: 3 IMUM INTE ad a) A (0) 1440 (0) | RUPTING RA Per Phase (V B 1440 | 4 GN TING: 22,0 a) L C () 7 7 1260 7 2 2 3036 2 | ND.: GROU 000A* 000A 000A 000A 000A 000 000 | JND BUS ory DESCRIPTION OF LOAD RECEPS RM 22130 RECEPS RM 22130 RECEPS RM 22130 208V RECEP RM 22121 | (Amps) No 20 2 20 4 20 6 30 8 | - | | VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP CKT. TRIP No. (Amps) DESCRIPTION OF LOAD 43 20 2121 RECEP 45 20 2121 RECEP 47 30 49 | PHASE: MINIMUM Category Load (Va) R 180 R 180 R 180 R 180 R 2496 R | INTERRUPTING F A B 680 680 2996 | ATING: Va) C 2996 | GND.: GR 22,000A* Load Cat (Va) 500 500 500 500 | OUND BUS Tegory DESCRIPTION OF LOAD R PWR POLE 22130 5-20R R PWR POLE 22130 5-20R R PWR POLE 22130 5-20R R PWR POLE 22130 5-20R | (Amps) 20 20 20 20 20 20 20 |

15 20 **CLG SERVICE PNL 22130 L5-20R** R 180 2676 2496 R 208VR 2676 2496 R
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 20
 CLG SERVICE PNL 22130 L5-20R
 R 180 2500 R CLGS
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 20
 CLG SERVICE PNL 22130 L5-20R
 R 180 2680 21 20 **CLG SERVICE PNL 22130 L5-20R** 2500 R R 180 2680 23 20 **CLG SERVICE PNL 22130 L5-20R** 2680 **2500 R CLGS** R 180 R 651 3151 25 20 ICE MACHINE LER 22100 2500 R **27 20** RECEPS RM 22130 R 360 180 R CLGS 540 **29 20** RECEPS RM 22130 R 360 540 **180 R CLGS R 2500** 2680 **31 30 CLG SERVICE PNL 22130 L6-30R** 180 R CLGS R 2500 2680 33 180 R CLGS **35 30 CLG SERVICE PNL 22130 L6-30R** R 2500 2680 180 R CLGS $\langle 3 \rangle$ 37 | | || **R 2500** 2680 180 R CLGS o 2500 3700 39 **30** LER 22100 208V 1200 O LER 22 41 | | o 2500 3700 **1200 O FUME** 18523 16752 16572 TOTAL CONNECTED LIGHTING LOAD (KVA): 0.00 44.45 TOTAL CONNECTED RECEPTACLE LOAD (KVA): 7.40 TOTAL CONNECTED OTHER LOAD (KVA): TOTAL CONNECTED LOAD (KVA): 51.85 TOTAL DEMAND LOAD (KVA): 34.62 TOTAL DEMAND LOAD (AMPS): 96.18

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|-----------------|----------------|------------------------|--|---------------|--------------------|----------|-----------------------------|-------|------------------------------|--------------|--|----------------|----------------|--|--|----------|
| | | I | | | | | I | | | | · · · · · | | I | GENERAL NOTES: | Flad Architects | |
| P | ANEL | <i>.</i> : | RP-2N7-R | | SECT.: | 2 | | | MTG.: | RECES | SED | | | 1. REFER TO SHEET E-000 FOR SYMBOLS AND ABBREVIATIONS. | Facility Leaders in Architectural/ Engineering Design, PC 261 Fifth Avenue, Ste. 510 New York, NY 10016 Tel 212-897-3000 | |
| V | OLTS | 5: | 120/208V 225 AMP | | PHASE: | 3 | WIRES: | 4 | | | ND BUS | | | 2. ALL PANELS, CIRCUITS, AND BREAKERS ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE. | Tel 212-897-3000 Fax 212-213-8250 www.flad.com | |
| | 1AIN I KT. | | 225 AMP | Category | MINIMU Load | | JPTING RAT Per Phase (Va | | 22,000A [*] Load | * Categor | ry | Trip | Ckt. | UNLESS NOTED UTHERWISE. | AEI Affiliated Engineers, P.C. | \vdash |
| | No. (4 43 | Amps) 20 | DESCRIPTION OF LOAD RECEPS RM 22120 | R | (Va) 720 | A 900 | В | C | (Va) 180 | R | DESCRIPTION OF LOAD CLG SERVICE PNL 22120 L5-20R | (Amps) 20 | No. | > | | |
| | 45 47 | | RECEPS RM 22120 RECEPS RM 22120 | R R | 720 720 | | 900 | 900 | 180 180 | R R | CLG SERVICE PNL 22120 L5-20R CLG SERVICE PNL 22120 L5-20R | 20 20 | 46 48 | | | ĸ |
| | 49 51 | 20 20 | RECEPS RM 22124 RECEPS RM 22124 | R R | 540 540 | 720 | 720 | | 180 180 | R | CLG SERVICE PNL 22120 L5-20R CLG SERVICE PNL 22120 L5-20R | 20 20 | 50 52 | | | |
| | 53 55 | 20 20 20 | RECEPS RM 22124 & 22120 RECEPS RM 22120 | R R | 540 720 | 3220 | | 720 | 180 180 2500 | R R | CLG SERVICE PNL 22120 L5-20R CLG SERVICE PNL 22120 L6-30R | 20 20 30 | 54 56 | | | |
| | 57 59 | 20 20 20 | RECEPS RM 22120 RECEPS RM 22120 RECEPS RM 22120 | R R | 720 720 720 | 5220 | 3220 | 3220 | 2500 2500 2500 | R R R | CLG SERVICETNE 22120 L0-30R CLG SERVICE PNL 22120 L6-30R | 30 | 58 60 | | OF NEW IN | + |
| | 61 | | 208V RECEP RM 22120 | R | 2496 2496 | 4996 | 2676 | 3220 | 2500 2500 180 | R R | | 20 | 62 | | ENTRO M. PAR | |
| | 63 65 | 30 | 208V RECEP RM 22120 | R R | 2496 | 2676 | 2070 | 2676 | 180 | R | CLG SERVICE PNL 22120 L5-20R CLG SERVICE PNL 22120 L5-20R GLG SERVICE PNL 22120 L5-20R | 20 | 64 66 | K1> | 1 = 1 0 063209 - 1 | |
| | 67 69 | 30 | 208V RECEP RM 22124 | R R | 2496 2496 | 2676 | 2676 | 2676 | 180 180 | R R | CLG SERVICE PNL 22120 L5-20R CLG SERVICE PNL 22120 L5-20R | 20 20 | 68 70 72 | | PROFESSIONAL | |
| [| 71 73 | 30 | LER 22100 CHILLER D02 | R 0 | 2496 1300 | 1480 | | 2676 | 180 180 | R R | CLG SERVICE PNL 22120 L5-20R CLG SERVICE PNL 22120 L5-20R | 20 20 | 72 74 | $\int \nabla$ | | |
| ^√[| 75 77 | | ENTRY-GUARD PWR | 0 0 | 1300 240 | 0740 | 3800 | 2740 | 2500 2500 | R R | CLG SERVICE PNL 22120 L6-30R | 30 | 76 78 | $\sqrt{3}$ | | - |
| | 79 81 | 20 | ENTRY-GUARD PWR SPARE | 0 | 240 | 2740 | 2500 | 144 | 2500 2500 | R R | CLG SERVICE PNL 22120 L6-30R | 30 | 82 | J 🗸 | | |
| | 83 | 20 | SHADES | 0 | 144 | 16720 | 1 < 40.2 | 144 | | | SPARE | 20 | 84 | | | Н |
| | | | | | | 16732 | 16492 | 13076 | | | | | | | BY: | \dashv |
| Г | OTAL | CON | NECTED LIGHTING LOAD (KVA): NECTED RECEPTACLE LOAD (KVA) |): | 0.00 43.08 | | | | | | | | | | | |
| Г | OTAL | CON | NECTED OTHER LOAD (KVA): NECTED LOAD (KVA): | | 3.22 46.30 | | | | | | | | | SHEET KEYNOTES: 1 PROVIDE NEW LOAD ON EXISTING | | |
| | | | AND LOAD (KVA): AND LOAD (AMPS): | | 29.76 82.67 | | | | | | | | | CIRCUIT UNLOADED DURING DEMOLITION. | | _ |
| | | | | | | | | | | | | | | 2 PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | | |
| | | | | | | | | | | | | | | $\begin{array}{ c c c c }\hline\hline & \hline $ | | G |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | ANEL | | RP-2N9-R | | SECT.: | 2 | | | | RECES | | | |] | 0 05/06/19 Construction Documents Rev Date Description of Issue | _ |
| N | | C . B .: | 120/208V 225 AMP | | PHASE: | 3 | WIRES: | 4 | | | IND BUS | | | | Project Title | |
| | AAIN I CKT. | | 225 AMP | Category | | | UPTING RA Per Phase (V | | 22,000A Load | * Catego | | Trip | Ckt. | | Dormitory Authority | |
| 3 | | Amps) 20 | DESCRIPTION OF LOAD 22121 RECEP | R | (Va) 180 | A 680 | B | С | (Va) 500 | R | DESCRIPTION OF LOAD PWR POLE 22130 5-20R | (Amps) 20 | 44 | | DASNY Project Number - | |
| | 45 47 | | 22121 RECEP 208V RECEP RM 22130 | R R | 180 2496 | | 680 | 2996 | 500 500 | R R | PWR POLE 22130 5-20R PWR POLE 22130 5-20R | 20 20 | 46 48 | | CU The City University | _ |
| | 49 51 | 30 | 208V RECEP RM 22130 | R R | 2496 2496 | 2996 | 2996 | | 500 500 | R R | PWR POLE 22130 5-20R PWR POLE 22130 5-20R | 20 20 | 50 52 | | NY of New York | |
| | 53 55 | 30 | 208V RECEP RM 22134 | R R | 2496 2496 | 2996 | | 2996 | 500 500 | R R | PWR POLE 22130 5-20R PWR POLE 22130 5-20R | 20 20 | 54 56 | | ASRC | |
| | 57 59 | 20 | CLG SERVICE PNL 22130 L5-20R | R R | 2496 180 | | 2996 | 680 | 500 500 | R R | PWR POLE 22130 5-20R PWR POLE 22130 5-20R | 20 20 | 58 60 | | Photonics Lab | |
| $1 \cup \vdash$ | 61 63 | | CLG SERVICE PNL 22130 L5-20R CLG SERVICE PNL 22130 L5-20R | R R | 180 180 | 680 | 680 | | 500 500 | R R | PWR POLE 22130 5-20R PWR POLE 22130 5-20R | 20 20 | 62 64 | | Renovations | |
| L | 65 67 | | CLG SERVICE PNL 22130 L5-20R CLG SERVICE PNL 22130 L5-20R | R R | 180 180 | 680 | | 680 | 500 500 | R R | PWR POLE 22130 5-20R PWR POLE 22130 5-20R | 20 20 | 66 68 | | | - |
| V \ - | 69 71 | | CLG SERVICE PNL 22130 L5-20R CLG SERVICE PNL 22130 L6-30R | R R | 180 2500 | | 1844 | 4164 | 1664 1664 | R R | PWR POLE 22130 6-20R | 20 | 70 72 | K3 | | |
| マンノト | 73 75 | 30 | CLG SERVICE PNL 22130 L6-30R | R R | 2500 2500 | 3000 | 3000 | | 500 500 | R R | PWR POLE 22130 5-20R PWR POLE 22130 5-20R | 20 20 | 74 76 | | The City College of New York | |
| L | 77 79 | 20 | 22121 RECEP | R R | 2500 180 | 680 | | 3000 | 500 500 | R R | PWR POLE 22130 5-20R PWR POLE 22130 5-20R | 20 20 | 78 80 | | | D |
| | 81 83 | 20 | 22121 RECEP SHADES | R 0 | 180 288 | | 360 | 528 | 180 240 | R O | 22121 RECEP ENTRY-GUARD PWR | 20 20 | 82 84 | | 85 St Nicholas Terrace New York, NY 10027 | |
| | | | | | | 11712 | 12556 | 15044 | | | | | | | dasny # 257110 | - |
|] | OTAL | L CON | NECTED LIGHTING LOAD (KVA): | | 0.00 | | | | | | | | | | | |
| | | | NECTED RECEPTACLE LOAD (KVA NECTED OTHER LOAD (KVA): | .): | 38.78 0.53 | | | | | | | | | | Scale | |
| ן | OTAL | L CON | NECTED LOAD (KVA): AND LOAD (KVA): | | 39.31 24.92 | | | | | | | | | | Company Drawn By Affiliated Engineers Project Phase | |
| | | | AND LOAD (AMPS): | | 69.22 | | | | | | | | | | CONSTRUCTION DOCUMENTS Date Drawn By | _ |
| | | | | | | | | | | | | | | | 05/06/2019 AEI Flad Project Number Checked By | |
| | | | | | | | | | | | | | | | 05432-82 AEI Sheet Title | - |
| | | | | | | | | | | | | | | | Electrical Panel Schedules | |
| | | | | | | | | | | | | | | | | В |
| | | | | | | | | | | | | | | | Sheet Number E-401 | 1 |
| | | | | | | | | | | | | | | | NYC DOB Sheet Number | - |
| | | | | | | | | | | | | | | | Page No. | 4 |
| | | | | | | | | | | | | | | | Application No. | ╡. |
| | | | | | | | | | | | | | | | | A |
| | | | | | | | | | | | | | | | DOB BSCAN | |
| | | | 7 | | | 0 | | | <u> </u> | ľ | | ess acting ur | nder the | e direction of a licensed architect, to alter an item in any way. 1 + 1 (1) (10043, 00) 15 (10043) (10043) | | |
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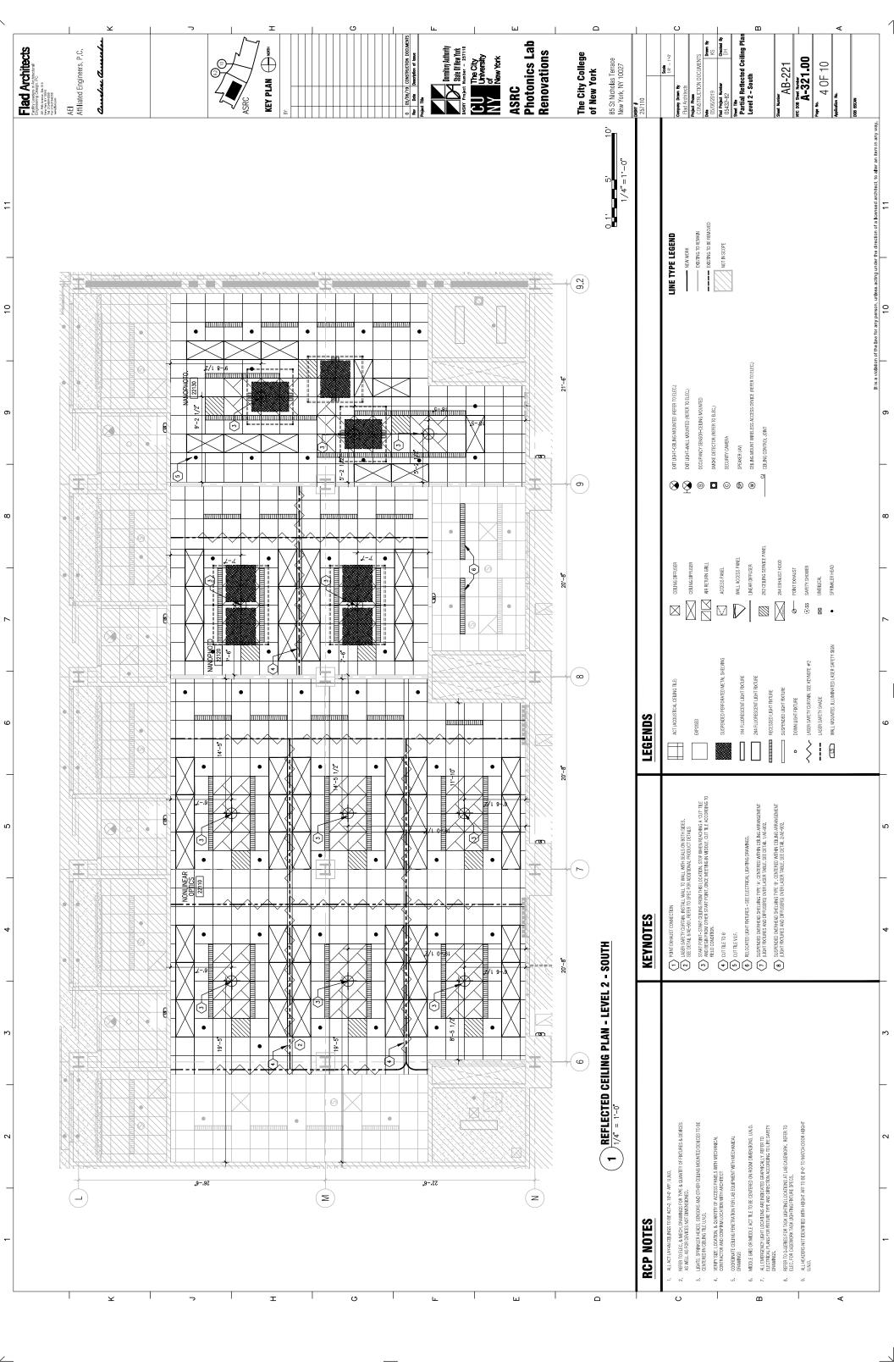
| JS | | | | |
|--------------------------|--------|------|-----------|--------------|
| | | | | |
| | Trip | Ckt. | | |
| DESCRIPTION OF LOAD | (Amps) | No. | | |
| EPS RM 22130 | 20 | 2 | | |
| EPS RM 22130 | 20 | 4 | | |
| EPS RM 22130 | 20 | 6 | | |
| RECEP RM 22121 | 30 | 8 | | |
| | | 10 | | |
| RECEP RM 22121 | 30 | 12 | | |
| | | 14 | | |
| RECEP LER 22100 | 30 | 16 | | |
| | | 18 | | |
| SERVICE PNL 22130 L6-30R | 30 | 20 | ٦ | |
| | | 22 | IU | \bigwedge |
| SERVICE PNL 22130 L6-30R | 30 | 24 | | \checkmark |
| | | 26 | J | |
| SERVICE PNL 22130 L5-20R | 20 | 28 | \square | |
| SERVICE PNL 22130 L5-20R | 20 | 30 | | |
| SERVICE PNL 22130 L5-20R | 20 | 32 | | • |
| SERVICE PNL 22130 L5-20R | 20 | 34 | | \swarrow_2 |
| SERVICE PNL 22130 L5-20R | 20 | 36 | (| \vee |
| SERVICE PNL 22130 L5-20R | 20 | 38 | | |
| 22100 CHILLER J03 | 20 | 40 |] | |
| E HOOD 22121 | 20 | 42 | Γ | |
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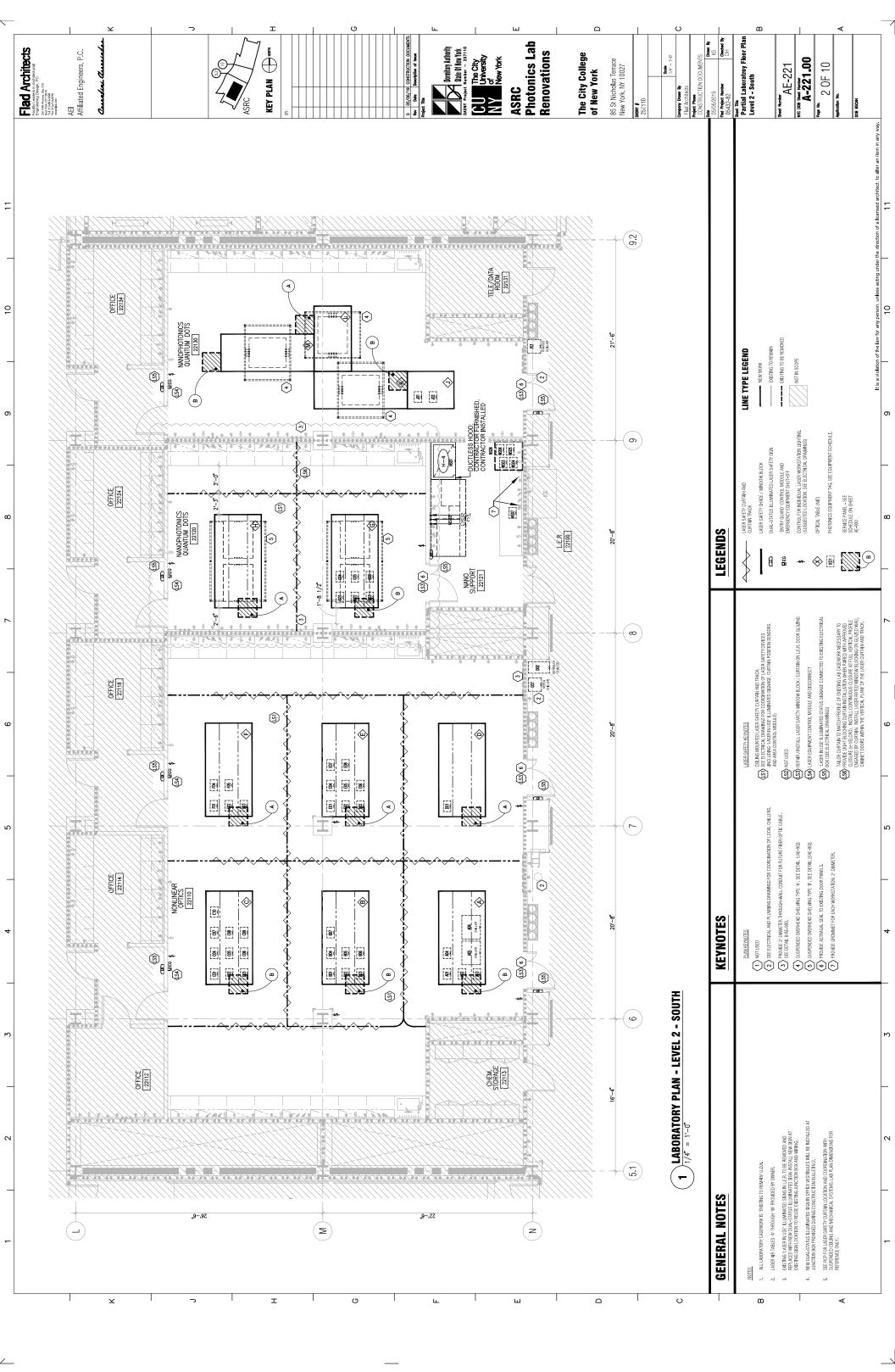
| 5 | 6 | | 7 | | | 8 | | | 9 | | 10 | | | | 11 | | , ר |
|--|---------------------|---|---|---------------|---|-----------------|-----------------------|----------------------|-----------------------------------|-----------------|---|----------------------|---|---------------------|---|---|----------|
| | | PANEL: | RP-2N7-R | | SECT.: | 2 | | | | RECESSI | | |] | 1. R S | IERAL NOTES: EFER TO SHEET E-000 FOR YMBOLS AND ABBREVIATIONS. | Flad Architects Facility Leaders in Architectural/ Engineering Design, PC 201 Fifth Avenue, Ste. 510 New York, NY 10016 Tel 212-897-3000 | |
| | | VOLTS: MAIN C.B.: MAIN BUS: | | | PHASE: | 3 M INITEDDI | WIRES: UPTING RATI | 4 NG [.] | GND.: 22,000A | GROUNI | O BUS | | | В | LL PANELS, CIRCUITS, AND REAKERS ARE EXISTING TO REMAIN INLESS NOTED OTHERWISE. | Γax 212-213-8250 www.flad.com | |
| Trip Ckt. LOAD (Amps) No. 20R 20 2 | | MAIN BUS:CKT.TRIPNo.(Amps)4320 | | Category R | Load (Va) 720 | | Per Phase (Va) | | <u> </u> | Category | DESCRIPTION OF LOAD CLG SERVICE PNL 22120 L5-20R | Trip (Amps) 20 | |) | | AEI Affiliated Engineers, P.C. | |
| 20R 20 4 20R 20 6 20R 20 8 | | 45 20 47 20 49 20 | RECEPS RM 22120 RECEPS RM 22120 RECEPS RM 22120 RECEPS RM 22124 | R R R | 720 720 540 | 720 | 900 | 900 | 180 180 180 | R R | CLG SERVICE PNL 22120 L5-20R CLG SERVICE PNL 22120 L5-20R CLG SERVICE PNL 22120 L5-20R | 20 20 20 | 46 48 50 | | | | ĸ |
| 20R 20 10 20R 20 12 | | 51 20 53 20 | RECEPS RM 22124 RECEPS RM 22124 & 22120 | R R R | 540 540 | | 720 | 720 | 180 180 | R R | CLG SERVICE PNL 22120 L5-20R CLG SERVICE PNL 22120 L5-20R | 20 20 | 52 54 | | | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | 55 20 57 20 59 20 | RECEPS RM 22120 RECEPS RM 22120 RECEPS RM 22120 RECEPS RM 22120 | R R R | 720 720 720 2406 | 3220 | 3220 | 3220 | 2500 2500 2500 | R R | CLG SERVICE PNL 22120 L6-30R CLG SERVICE PNL 22120 L6-30R | 30 30 | 56 58 60 | 3 | | SHE OF NEW YOR | + |
| 20R 20 22 20R 20 24 | | 61 30 63 65 30 | 208V RECEP RM 22120 208V RECEP RM 22120 208V RECEP RM 22120 | R R R | 2496 2496 2496 | 4996 | 2676 | 2676 | 2500 180 180 | | CLG SERVICE PNL 22120 L5-20R CLG SERVICE PNL 22120 L5-20R | 20 20 | 62 64 66 | , Kı> | | FILLE | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | 67 69 30 71 1 1 | 208V RECEP RM 22124 | R R R | 2496 2496 2496 | 2676 | 2676 | 2676 | 180 180 180 | R | CLG SERVICE PNL 22120 L5-20R CLG SERVICE PNL 22120 L5-20R CLG SERVICE PNL 22120 L5-20R | 20 20 20 | 68 70 72 | | | PROFESSION N. | J |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $ \sqrt[3]{} $ | 75 | LER 22100 CHILLER D02 | 0 0 0 | 1300 1300 240 | 1480 | 3800 | 2740 | 180 2500 2500 | | CLG SERVICE PNL 22120 L5-20R CLG SERVICE PNL 22120 L6-30R | 20 30 | 74 76 78 | | | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | < <u>2</u> | 79 20 81 20 | ENTRY-GUARD PWR SPARE SHADES | 0 | 240 | 2740 | 2500 | 144 | 2500 2500 | R | CLG SERVICE PNL 22120 L6-30R | 30 20 | 80 82 84 | $\int \sqrt{3}$ | | | |
| 20R 20 42 2 | | | עועחופן | 0 | 144 | 16732 | 16492 | 13076 | | | SPARE | 20 | 04 | | | | Н |
| | | TOTAL CON | NNECTED LIGHTING LOAD (KVA): NNECTED RECEPTACLE LOAD (KVA | A) : | 0.00 43.08 | | | | | | | | | | | BY: | _ |
| | | TOTAL CON | NNECTED OTHER LOAD (KVA): NNECTED LOAD (KVA): IAND LOAD (KVA): | | 3.22 46.30 29.76 | | | | | | | | | | IEET KEYNOTES: PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING | | |
| | | | IAND LOAD (AMPS): | | 82.67 | | | | | | | | | $\langle 2 \rangle$ | PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | | |
| | | | | | | | | | | | | | | $\overline{3}$ | PROVIDE NEW BREAKER FOR NEW LOAD. | | G |
| | | | | | | | | | | | | | | | | | |
| | | PANEL: VOLTS: | RP-2N9-R 120/208V | | SECT.: PHASE: | 2 | WIRES: | 4 | | RECESS GROUN | | | |] | | 0 05/06/19 Construction Documents Rev Date Description of Issue | |
| | | MAIN C.B.: MAIN BUS: | 225 AMP 225 AMP | Cat | MINIMU | | UPTING RAT | ING: | 22,000A | <u>*</u> | | | 01 | | | Project Title | F |
| LOAD Trip Ckt. (Amps) No. 20 2 | $\langle 3 \rangle$ | |) DESCRIPTION OF LOAD 22121 RECEP | Category R | (Va) 180 | A 680 | Per Phase (Va) B |) C | (Va) 500 | R | DESCRIPTION OF LOAD PWR POLE 22130 5-20R | (Amps) | 44 | | | DASNY Project Number - | |
| 20 4 20 6 30 8 | ৾৾৵ | | 22121 RECEP 208V RECEP RM 22130 | R R R | 180 2496 2496 | 2996 | 680 | 2996 | 500 500 500 | R | PWR POLE 22130 5-20R PWR POLE 22130 5-20R PWR POLE 22130 5-20R | 20 20 20 | 46 48 50 | | | CU The City University | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | 53 | 208V RECEP RM 22130 208V RECEP RM 22134 | R R R | 2496 2496 2496 | 2996 | 2996 | 2996 | 500 500 500 | R R | PWR POLE 22130 5-20R PWR POLE 22130 5-20R PWR POLE 22130 5-20R | 20 20 20 | 52 54 56 | | | New York | |
| 30 16 | _ (| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | CLG SERVICE PNL 22130 L5-20R CLG SERVICE PNL 22130 L5-20R | R R R | 2496 180 180 | 680 | 2996 | 680 | 500 500 500 | R R | PWR POLE 22130 5-20R PWR POLE 22130 5-20R PWR POLE 22130 5-20R | 20 20 20 20 | 58 60 62 | | | ASRC Photonics Lab | E |
| I 22 30R 30 24 | | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | CLG SERVICE INL 22130 L3-20R CLG SERVICE PNL 22130 L5-20R CLG SERVICE PNL 22130 L5-20R CLG SERVICE PNL 22130 L5-20R | R R D | 180 180 180 | 680 | 680 | 680 | 500 500 500 | R R | PWR POLE 22130 5-20R PWR POLE 22130 5-20R PWR POLE 22130 5-20R PWR POLE 22130 5-20R | 20 20 20 20 | 64 66 68 | | | Renovations | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | <2 , (| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | CLG SERVICE PNL 22130 L5-20R CLG SERVICE PNL 22130 L5-20R CLG SERVICE PNL 22130 L6-30R | R R R | 180 180 2500 2500 | 3000 | 1844 | 4164 | 1664 1664 | R R | PWR POLE 22130 6-20R | 20 20 1 20 | 08 70 72 74 | | | The City College | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 3 | 73 75 30 77 1 20 | CLG SERVICE PNL 22130 L6-30R | R R R | 2500 2500 | | 3000 | 3000 | 500 500 500 | R R | PWR POLE 22130 5-20R PWR POLE 22130 5-20R PWR POLE 22130 5-20R | 20 20 | 76 78 | | | of New York | D |
| 20R 20 38 20 40 20 42 | | 79 20 81 20 83 20 | 22121 RECEP 22121 RECEP SHADES | R 0 | 180 180 288 | 680 | 360 | 528 | 500 180 240 | R | PWR POLE 22130 5-20R 22121 RECEP ENTRY-GUARD PWR | 20 20 20 | 80 82 84 |] | | 85 St Nicholas Terrace New York, NY 10027 | |
| | | | | | | 11712 | 12556 | 15044 | | | | | | - | | dasny # 257110 | ■ |
| | | TOTAL CO | NNECTED LIGHTING LOAD (KVA): NNECTED RECEPTACLE LOAD (KV. NNECTED OTHER LOAD (KVA): | A) : | 0.00 38.78 0.53 | | | | | | | | | | | Scale | |
| | | TOTAL CON TOTAL DEN | NNECTED LOAD (KVA): MAND LOAD (KVA): MAND LOAD (KVA): | | 39.31 24.92 69.22 | | | | | | | | | | | Company Drawn By Affiliated Engineers Project Phase CONSTRUCTION DOCUMENTS | C |
|] | | | | | 07.22 | | | | | | | | | L | | Date Drawn By 05/06/2019 AEI Flad Project Number Checked B | |
| | | | | | | | | | | | | | | | | 05432-82 AEI Sheet Title Electrical Panel Schedules | |
| | | | | | | | | | | | | | | | | | B |
| | | | | | | | | | | | | | | | | Sheet Number E-401 | = |
| | | | | | | | | | | | | | | | | NYC DOB Sheet Number | |
| | | | | | | | | | | | | | | | | Page No. | |
| | | | | | | | | | | | | | | | | Application No. | A |
| | | | | | | | | | | lt is | a violation of the law for any person, unle | ess acting ur | nder the | direction of a | a licensed architect, to alter an item in any way. | | |
| 5 | 6 | | 7 | | | 8 | | | 9 | | 10 | | | | 1 | trical\E-401.dwg | <u> </u> |

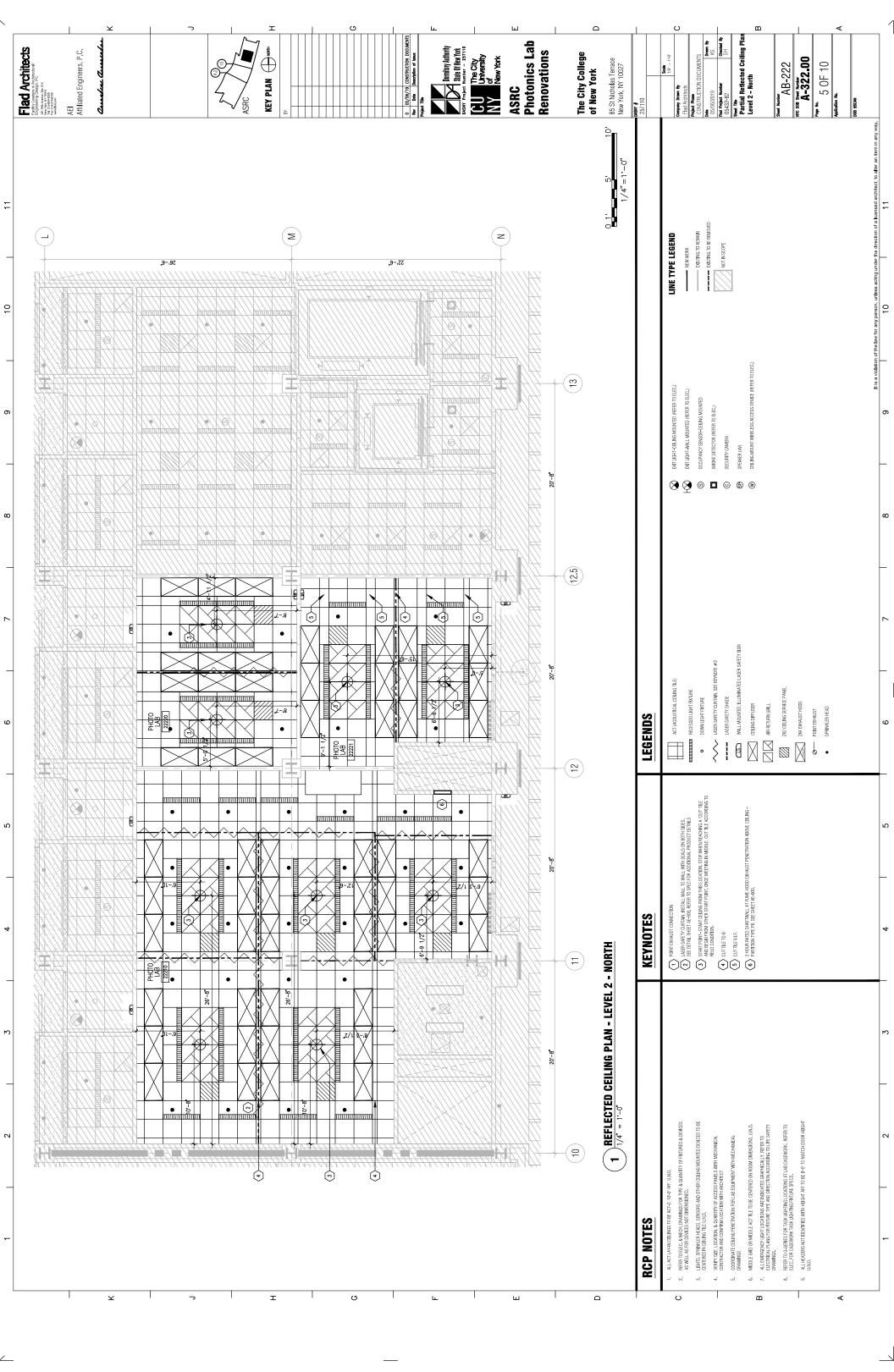
| PANEL: RP-2N11-L VOLTS: 120/208V MAIN C.B.: 225 AMP | SECT.: 1 PHASE: 3 WIRES: 4 | MTG.: RECESSED GND.: GROUND BUS | | PANEL: RP-2N11-R VOLTS: 120/208V MAIN C.B.: 225 AMP | | MTG.: RECESSED GND.: GROUND BUS | SY 2. ALI BR | EFER TO SHEET E-000 FOR YMBOLS AND ABBREVIATIONS. LL PANELS, CIRCUITS, AND REAKERS ARE EXISTING TO REMAIN | Engii 261 Fi New Y Tel 21 Fax 21 www.f |
|--|--|--|---|---|---|--|---|--|---|
| MAIN BUS: 225 AMP | MINIMUM INTERRUPTING RATING:CategoryLoadPer Phase (Va)(Va)ABC | 22,000A* Load Category (Va) DESCRIPTION OF LO | AD (Amps) No | MAIN BUS: 225 AMP CKT. TRIP No. (Amps) DESCRIPTION OF LOAD | MINIMUM INTERRUPTING RATING: Category Load Per Phase (Va) (Va) A B C | 22,000A* Load Category (Va) DESCRIPTION OF L | Trip Ckt. | NLESS NOTED OTHERWISE. | AEI Affil |
| 1 20 RECEPS RM 22212 3 20 RECEPS RM 22212 & 22210 | R 360 900 900 R 540 900 900 | 540 R RECEPS RM 22214 360 R RECEPS RM 22214 | 20 2 20 4 | 43 20 CLG SERVICE PNL 22210 L5-20R 45 20 CLG SERVICE PNL 22210 L5-20R | R 180 360 R 180 360 | 180 R CLG SERVICE PNL 22210 L5-2 180 R CLG SERVICE PNL 22210 L5-2 | -20R 20 44 -20R 20 46 | | |
| 5 20 RECEPS RM 22212 7 20 RECEPS RM 22210 9 20 RECEPS RM 22210 | R 540 1080 R 720 1260 1260 R 720 1260 1260 | 540 R RECEPS RM 22214 & 22210 540 R RECEPS RM 22210 540 R RECEPS RM 22210 | 20 6 20 8 20 10 | 1 47 20 CLG SERVICE PNL 22210 L5-20R 49 20 CLG SERVICE PNL 22210 L5-20R 51 20 CLG SERVICE PNL 22210 L5-20R | R 180 360 R 180 360 360 R 180 360 360 | 180 R CLG SERVICE PNL 22210 L5-2 | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | |
| 11 20 RECEPS RM 22210 13 20 RECEPS RM 22210 15 30 208V RECEP RM 22212 | R 720 1440 R 720 1371 | 651 R ICE MACHINE LER 22201 | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 53 20 CLG SERVICE PNL 22210 L5-20R 55 30 CLG SERVICE PNL 22210 L6-30R | R 180 360 R 2500 5000 360 R 2500 5000 360 | 180 R CLG SERVICE PNL 22210 L5-2 2500 R CLG SERVICE PNL 22210 L6-3 2500 R I | | | |
| 15 30 208V RECEP RM 22212 17 19 30 208V RECEP RM 22212 | R 2496 4992 R 2496 4992 R 2496 4992 | 2496 R 208V RECEP RM 22214 2496 R 2496 R 208V RECEP RM 22210 | 30 16 18 30 20 | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | R 2500 5000 R 2500 5000 R 2500 5000 | 2500 R 2500 R CLG SERVICE PNL 22210 L6-3 2500 R | | | |
| 21 23 30 208V RECEP RM 22212 25 | R 2496 4992 R 2496 2676 R 2496 2676 | 2496 R Image: line system 180 R CLG SERVICE PNL 22210 L5-20H 180 R CLG SERVICE PNL 22210 L5-20H | | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | R 180 360 R 180 360 R 180 360 | 180 R CLG SERVICE PNL 22210 L5-2 | -20R 20 66 | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | o 1000 1180 o 1000 1180 | 180 R CLG SERVICE PNL 22210 L5-20H | R 20 28 | 2 69 20 CLG SERVICE PNL 22210 L5-20R 71 20 CLG SERVICE PNL 22210 L5-20R | R 180 360 R 180 360 | 180 R CLG SERVICE PNL 22210 L5-2 180 R CLG SERVICE PNL 22210 L5-2 | -20R 20 70 -20R 20 72 | | |
| 31 20 ENTRY-GUARD PWR 33 20 ENTRY-GUARD PWR 35 20 SPARE | o 240 420 o 240 420 240 2500 | 180 R CLG SERVICE PNL 22210 L5-20H 180 R CLG SERVICE PNL 22210 L5-20H 2500 R CLG SERVICE PNL 22210 L6-30H | R 20 34 | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | R 180 360 R 2500 5000 R 2500 5000 | 180 R CLG SERVICE PNL 22210 L5-2 2500 R CLG SERVICE PNL 22210 L6-3 2500 R I | -30R 30 76 | | |
| 37 20 SPARE 39 20 SPARE | 2500 2500 | 2500 R 2500 R CLG SERVICE PNL 22210 L6-30H | 38 R 30 40 | 3 79 30 CLG SERVICE PNL 22210 L6-30R 81 1 | R 2500 5000 R 2500 5000 | 2500 R CLG SERVICE PNL 22210 L6-3 2500 R | 82 | | |
| 41 20 SPARE | 14119 16244 16368 | | | 83 20 SHADES | O 288 288 16440 16440 11728 | SPARE | 20 84 | | |
| TOTAL CONNECTED LIGHTING LOAD (KVA): | 0.00 | | | TOTAL CONNECTED LIGHTING LOAD (KVA): TOTAL CONNECTED RECEPTACLE LOAD (KV | | | | | BY: |
| TOTAL CONNECTED RECEPTACLE LOAD (KVA TOTAL CONNECTED OTHER LOAD (KVA): | A): 44.25 2.48 | | | TOTAL CONNECTED RECEPTACLE LOAD (KV TOTAL CONNECTED OTHER LOAD (KVA): | VA): 44.32 0.29 | | | | |
| TOTAL CONNECTED LOAD (KVA): | 46.73 | | | TOTAL CONNECTED LOAD (KVA): | 44.61 | | | IEET KEYNOTES: | - |
| TOTAL CONNECTED LOAD (KVA): TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): | | | | TOTAL CONNECTED LOAD (KVA): TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): | 44.61 27.45 76.24 | | | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. | |
| TOTAL DEMAND LOAD (KVA): | 46.73 29.61 | | | TOTAL DEMAND LOAD (KVA): | 27.45 | | | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | |
| TOTAL DEMAND LOAD (KVA): | 46.73 29.61 | | | TOTAL DEMAND LOAD (KVA): | 27.45 | | | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING | |
| TOTAL DEMAND LOAD (KVA): | 46.73 29.61 | | | TOTAL DEMAND LOAD (KVA): | 27.45 | | | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | |
| TOTAL DEMAND LOAD (KVA): | 46.73 29.61 | MTG.: RECESSED | | TOTAL DEMAND LOAD (KVA): | 27.45 76.24 | MTG.: RECESSED | | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | V 0 |
| TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): PANEL: RP-2N12.5-L VOLTS: 120/208V MAIN C.B.: 225 AMP | 46.73 29.61 82.24 SECT.: 1 PHASE: 3 WIRES: 4 | GND.: GROUND BUS | | TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): PANEL: RP-2N12.5-R VOLTS: 120/208V MAIN C.B.: 225 AMP | 27.45 76.24 SECT.: 2 PHASE: 3 WIRES: 4 | GND.: GROUND BUS | | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | V 0 Rev |
| TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): PANEL: RP-2N12.5-L VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP CKT. TRIP | 46.73 29.61 82.24 SECT.: 1 | | Trip Ckt. AD (Amps) No. | TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): PANEL: RP-2N12.5-R VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP CKT. TRIP | 27.45 76.24 SECT.: 2 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: 2 | | Trip Ckt. | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | V 0 Re Pro |
| TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS):PANEL: RP-2N12.5-L VOLTS:120/208VVOLTS:120/208VMAIN C.B.:225 AMPMAIN BUS:225 AMPCKT.TRIPNo.(Amps)DESCRIPTION OF LOAD120RECEPS RM 22222320RECEPS RM 22222 | 46.73 29.61 82.24 SECT.: 1 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: Category Load Per Phase (Va) (Va) A B C R 360 900 — | GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO 540 R RECEPS RM 22220 540 R RECEPS RM 22220 | DAD (Amps) No. 20 2 20 4 | TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS):PANEL: RP-2N12.5-R VOLTS:VOLTS:120/208V MAIN C.B.:MAIN C.B.:225 AMP MAIN BUS:MAIN BUS:225 AMP CKT.CKT.TRIP No.No.(Amps)DESCRIPTION OF LOAD4320CLG SERVICE PNL 22220 L5-20R | 27.45 76.24 SECT.: 2 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: 2 Category Load Per Phase (Va) 2 (Va) A B C R 180 360 360 | GND.: GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO 180 R CLG SERVICE PNL 22220 L5-2 180 R CLG SERVICE PNL 22220 L5-2 | Image: Trip Ckt. LOAD (Amps) No. 20R 20 44 20R 20 44 20R 20 | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | V 0 Rev Proje |
| TOTAL DEMAND LOAD (KVÅ): TOTAL DEMAND LOAD (AMPS):PANEL: RP-2N12.5-L VOLTS:120/208VMAIN C.B.:225 AMPMAIN BUS:225 AMPMAIN BUS:225 AMPMAIN BUS:225 AMPMAIN BUS:225 AMPMAIN BUS:225 AMPMAIN BUS:225 AMPNo.(Amps)DESCRIPTION OF LOAD1120RECEPS RM 22222 | 46.73 29.61 82.24 SECT.: 1 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: Category Load Per Phase (Va) (Va) A B C R 540 1080 — | GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO 540 R RECEPS RM 22220 540 R RECEPS RM 22220 | DAD (Amps) No. 20 2 | TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): Yourget PANEL: RP-2N12.5-R VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP MAIN BUS: 225 AMP MAIN BUS: 225 AMP VOLTS TRIP No. (Amps) DESCRIPTION OF LOAD 43 20 CLG SERVICE PNL 22220 L5-20R | 27.45 76.24 SECT.: 2 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: 2 Category Load Per Phase (Va) 2 (Va) A B C R 180 360 1 1 | GND.: GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO 180 R CLG SERVICE PNL 22220 L5-2 | Trip Ckt. COAD (Amps) 20R 20 48 20R 20 50 | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | V O Re Pro |
| TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): TOTAL DEMAND LOAD (AMPS): Yourney | 46.73 29.61 82.24 82.24 SECT.: 1 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: Category Load Per Phase (Va) (Va) A B C R 360 900 720 R 360 900 720 R 360 1080 720 R 720 1260 1080 R 540 900 1080 R 360 900 1080 | GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO 540 R RECEPS RM 22220 540 R RECEPS RM 22220 540 R RECEPS RM 22220 360 R RECEPS RM 22220 360 R RECEPS RM 22220 360 R RECEPS RM 22220 540 R RECEPS RM 22221 540 R RECEPS RM 22221 | DAD (Amps) No. 20 2 20 4 20 6 20 8 20 10 20 12 20 14 | TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): TOTAL DEMAND LOAD (AMPS): PANEL: RP-2N12.5-R VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP MAIN BUS: 225 AMP CKT. TRIP No. (Amps) DESCRIPTION OF LOAD 43 20 CLG SERVICE PNL 22220 L5-20R 45 20 CLG SERVICE PNL 22220 L5-20R 45 20 CLG SERVICE PNL 22220 L5-20R 49 20 CLG SERVICE PNL 22220 L5-20R | 27.45 76.24 SECT.: 2 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: 2 Category Load Per Phase (Va) 2 (Va) A B C R 180 360 360 | GND.: GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF L0 180 R CLG SERVICE PNL 22220 L5-2 | Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Constraint of the second system Image: Consecond system< | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | V O Rev Proje |
| TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): TOTAL DEMAND LOAD (AMPS): Yourget Yourget <tr< td=""><td>46.73 29.61 82.24 SECT.: 1 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: Category Load Per Phase (Va) (Va) A B C R 360 900 1080 R 360 900 720 R 360 1080 1080 R 360 1080 1080 R 720 1080 1080 R 540 1080 1080</td><td>GROUND BUS 22,000A* 22,000A* Load Category (Va) DESCRIPTION OF LO 540 R 540 R 540 R 540 R 540 R 600 R 700 R</td><td>DAD (Amps) No. 20 2 20 4 20 6 20 8 20 10 20 12 20 14 30 16 18</td><td>$\sqrt[4]{1} \left\{ \begin{array}{c} \mbox{PANEL:} & \mbox{RP-2N12.5-R} \\ \mbox{VOLTS:} & \mbox{120/208V} \\ \mbox{MAIN C.B.:} & \mbox{225 AMP} \\ \mbox{MAIN C.B.:} & \mbox{225 AMP} \\ \mbox{MAIN BUS:} & \mbox{225 AMP} \\ \mbox{MAIN BUS:} & \mbox{225 AMP} \\ \mbox{CKT.} & \mbox{TRIP} \\ \mbox{No.} & \mbox{(Amps)} & \mbox{DESCRIPTION OF LOAD} \\ \mbox{43 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{45 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{47 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{49 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{51 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{54 } & \mbox{55 } & \mbox{56 } &$</td><td>27.45 76.24 SECT.: 2 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: 2 Category Load Per Phase (Va) 2 (Va) A B C R 180 360 360 R 180 360 360</td><td>GND.: GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO 180 R CLG SERVICE PNL 22220 L5-2 180 R CLG SERVICE PNL 22220 L5-2</td><td>Trip Ckt. LOAD (Amps) No. 20 20R 20 30R 30 58 3</td><td>PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT.</td><td>0 Rev Proj DA 25</td></tr<> | 46.73 29.61 82.24 SECT.: 1 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: Category Load Per Phase (Va) (Va) A B C R 360 900 1080 R 360 900 720 R 360 1080 1080 R 360 1080 1080 R 720 1080 1080 R 540 1080 1080 | GROUND BUS 22,000A* 22,000A* Load Category (Va) DESCRIPTION OF LO 540 R 540 R 540 R 540 R 540 R 600 R 700 R | DAD (Amps) No. 20 2 20 4 20 6 20 8 20 10 20 12 20 14 30 16 18 | $ \sqrt[4]{1} \left\{ \begin{array}{c} \mbox{PANEL:} & \mbox{RP-2N12.5-R} \\ \mbox{VOLTS:} & \mbox{120/208V} \\ \mbox{MAIN C.B.:} & \mbox{225 AMP} \\ \mbox{MAIN C.B.:} & \mbox{225 AMP} \\ \mbox{MAIN BUS:} & \mbox{225 AMP} \\ \mbox{MAIN BUS:} & \mbox{225 AMP} \\ \mbox{CKT.} & \mbox{TRIP} \\ \mbox{No.} & \mbox{(Amps)} & \mbox{DESCRIPTION OF LOAD} \\ \mbox{43 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{45 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{47 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{49 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{51 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{53 } & \mbox{20 } & \mbox{clg service pnl 22220 l5-20R} \\ \mbox{54 } & \mbox{55 } & \mbox{56 } & $ | 27.45 76.24 SECT.: 2 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: 2 Category Load Per Phase (Va) 2 (Va) A B C R 180 360 360 | GND.: GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO 180 R CLG SERVICE PNL 22220 L5-2 | Trip Ckt. LOAD (Amps) No. 20 20R 20 30R 30 58 3 | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | 0 Rev Proj DA 25 |
| TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): TOTAL DEMAND LOAD (AMPS): Wains C.B.: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP CKT. TRIP No. (Amps) DESCRIPTION OF LOAD 1 20 RECEPS RM 22222 3 20 RECEPS RM 22222 5 20 RECEPS RM 22220 & 22221 1 20 8 20 9 20 7 20 8 2220 & 22221 11 20 12 0 9 20 8 20 11 20 12 1 13 20 15 30 208V RECEP RM 22221 15 30 208V RECEP RM 22221 17 1 19 30 208V RECEP RM 22221 21 1 23 20 <td>46.73 29.61 82.24 SECT.: 1 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: Category Load Per Phase (Va) (Va) A B C R 360 900 1080 R 360 900 720 R 360 1080 720 R 720 1080 1080 R 360 900 1080 R 360 900 1080 R 360 900 1080 R 360 900 4992 R 360 900 1080 R 360 900 4992 R 2496 4992 4992</td> <td>GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO 540 R RECEPS RM 22220 540 R RECEPS RM 22220 360 R RECEPS RM 22220 540 R RECEPS RM 22220 540 R RECEPS RM 22220 540 R RECEPS RM 22221 2496 R </td> <td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td> <td>$\begin{array}{c c} TOTAL DEMAND LOAD (KVÅ): \\ \hline TOTAL DEMAND LOAD (AMPS): \\ \hline TOTAL DEMAND LOAD (AMPS) \\ \hline VOLTS: 120/208V \\ MAIN C.B.: 225 AMP \\ \hline MAIN BUS: 225 AMP \\ \hline MAIN BUS: 225 AMP \\ \hline CKT. TRIP \\ \hline No. (Amps) \\ \hline DESCRIPTION OF LOAD \\ \hline 43 20 \\ \hline CLG SERVICE PNL 22220 15-20R \\ \hline 45 20 \\ \hline CLG SERVICE PNL 22220 15-20R \\ \hline 47 20 \\ \hline CLG SERVICE PNL 22220 15-20R \\ \hline 49 20 \\ \hline CLG SERVICE PNL 22220 15-20R \\ \hline 51 20 \\ \hline CLG SERVICE PNL 22220 15-20R \\ \hline 55 30 \\ \hline CLG SERVICE PNL 22220 15-20R \\ \hline 57 \\ \hline 1 \\ \hline 59 30 \\ \hline CLG SERVICE PNL 22220 16-30R \\ \hline 61 \\ \hline 1 \\ \hline$</td> <td>27.45 76.24 SECT.: 2 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: 2 Category Load Per Phase (Va) 2 (Va) A B C R 180 360 360 R 2500 5000 100 R 2500 5000 100 R 180 360 10 R 180 360 10 R 180 360 10 R 180 360 10 R</td> <td>GND.: GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO 180 R CLG SERVICE PNL 22220 L5-2 2500 R CLG SERVICE PNL 22220 L6-3 180 R CLG SERVICE PNL 22220 L6-3 180 R CLG SERVICE PNL 22221 L5-2 180 R CLG SERVICE PNL 22221 L5-2</td> <td>Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system</td> <td>PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT.</td> <td>0 Rev Proj</td> | 46.73 29.61 82.24 SECT.: 1 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: Category Load Per Phase (Va) (Va) A B C R 360 900 1080 R 360 900 720 R 360 1080 720 R 720 1080 1080 R 360 900 1080 R 360 900 1080 R 360 900 1080 R 360 900 4992 R 360 900 1080 R 360 900 4992 R 2496 4992 4992 | GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO 540 R RECEPS RM 22220 540 R RECEPS RM 22220 360 R RECEPS RM 22220 540 R RECEPS RM 22220 540 R RECEPS RM 22220 540 R RECEPS RM 22221 2496 R | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{c c} TOTAL DEMAND LOAD (KVÅ): \\ \hline TOTAL DEMAND LOAD (AMPS): \\ \hline TOTAL DEMAND LOAD (AMPS) \\ \hline VOLTS: 120/208V \\ MAIN C.B.: 225 AMP \\ \hline MAIN BUS: 225 AMP \\ \hline MAIN BUS: 225 AMP \\ \hline CKT. TRIP \\ \hline No. (Amps) \\ \hline DESCRIPTION OF LOAD \\ \hline 43 20 \\ \hline CLG SERVICE PNL 22220 15-20R \\ \hline 45 20 \\ \hline CLG SERVICE PNL 22220 15-20R \\ \hline 47 20 \\ \hline CLG SERVICE PNL 22220 15-20R \\ \hline 49 20 \\ \hline CLG SERVICE PNL 22220 15-20R \\ \hline 51 20 \\ \hline CLG SERVICE PNL 22220 15-20R \\ \hline 55 30 \\ \hline CLG SERVICE PNL 22220 15-20R \\ \hline 57 \\ \hline 1 \\ \hline 59 30 \\ \hline CLG SERVICE PNL 22220 16-30R \\ \hline 61 \\ \hline 1 \\ \hline $ | 27.45 76.24 SECT.: 2 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: 2 Category Load Per Phase (Va) 2 (Va) A B C R 180 360 360 R 2500 5000 100 R 2500 5000 100 R 180 360 10 R 180 360 10 R 180 360 10 R 180 360 10 R | GND.: GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO 180 R CLG SERVICE PNL 22220 L5-2 2500 R CLG SERVICE PNL 22220 L6-3 180 R CLG SERVICE PNL 22220 L6-3 180 R CLG SERVICE PNL 22221 L5-2 180 R CLG SERVICE PNL 22221 L5-2 | Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | 0 Rev Proj |
| TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): TOTAL DEMAND LOAD (AMPS): TOTAL DEMAND LOAD (AMPS): Year and the second secon | 46.73 29.61 82.24 82.24 SECT.: 1 PHASE: 3 WIRES: 4 PHASE: 3 WIRES: 4 MINIMUTERRUTING RATIONS Category Load Per Phase (Va) (Va) A B C R 540 1080 1080 R 360 900 720 R 360 1080 1080 R 360 1080 1080 R 360 900 1080 R 2496 4992 1080 R 2496 4992 4992 R 2496 2736 4992 | GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO 540 R RECEPS RM 22220 540 R RECEPS RM 22220 540 R RECEPS RM 22220 360 R RECEPS RM 22220 360 R RECEPS RM 22220 360 R RECEPS RM 22220 540 R RECEPS RM 22221 540 R RECEPS RM 22221 540 R RECEPS RM 22221 2496 R | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): PANEL: RP-2N12.5-R VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP CKT. TRIP No. (Amps) DESCRIPTION OF LOAD 43 20 CLG SERVICE PNL 22220 L5-20R 45 20 CLG SERVICE PNL 22220 L5-20R 47 20 CLG SERVICE PNL 22220 L5-20R 49 20 CLG SERVICE PNL 22220 L5-20R 51 20 CLG SERVICE PNL 22220 L5-20R 51 20 CLG SERVICE PNL 22220 L5-20R 53 30 CLG SERVICE PNL 22220 L5-20R 54 40 20 CLG SERVICE PNL 22220 L5-20R 55 30 CLG SERVICE PNL 22220 L5-20R 57 59 30 CLG SERVICE PNL 22220 L6-30R 57 59 30 CLG SERVICE PNL 22220 L6-30R 57 59 30 CLG SERVICE PNL 22220 L6-30R 57 | 27.45 76.24 SECT.: 2 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: 2 Category Load Per Phase (Va) 2 (Va) A B C R 180 360 360 R 2500 5000 100 R 2500 5000 100 R 180 360 10 | GND.: GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF L0 180 R CLG SERVICE PNL 22220 L5-2 180 R CLG SERVICE PNL 22220 L5-3 2500 R I 2500 R I 2500 R I 180 R CLG SERVICE PNL 22220 L6-3 2500 R I 180 R CLG SERVICE PNL 22220 L6-3 2500 R I 180 R CLG SERVICE PNL 22220 L6-3 2500 R I 180 R CLG SERVICE PNL 22221 L5-2 | Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | 0 Rev Proje |
| TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): TOTAL DEMAND LOAD (AMPS): Yold State | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO. 540 R RECEPS RM 22220 540 R RECEPS RM 22220 360 R RECEPS RM 22220 540 R RECEPS RM 22221 540 R RECEPS RM 22221 540 R RECEPS RM 22221 540 R 208V RECEP RM 22221 2496 R 208V RECEP RM 22221 2496 R 208V RECEP RM 22221 2496 R 1 2496 R 1 SPARE 1 1 240 O ENTRY-GUARD PWR 240 SPARE 1 240 SPARE 1 2496 SPARE 1 2496 SPARE 1 2496 SPARE | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): PANEL: RP-2N12.5-R VOLTS: VOLTS: 120/208V MAIN C.B: MAIN BUS: 225 AMP MAIN BUS: CKT. TRIP No. No. (Amps) DESCRIPTION OF LOAD 43 20 CLG SERVICE PNL 22220 L5-20R 45 20 CLG SERVICE PNL 22220 L5-20R 47 20 CLG SERVICE PNL 22220 L5-20R 51 20 CLG SERVICE PNL 22220 L6-30R 57 1 59 30 CLG SERVICE PNL 22221 L5-20R 61 1 63 20 CLG SERVICE PNL 22221 L5-20R 61 20 61 20 61 | 27.45 76.24 SECT.: 2 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: 2 Category Load Per Phase (Va) 4 (Va) A B C R 180 360 16 R 2500 5000 16 R 180 360 16 R 180 | GND.: GROUND BUS 22,000A* DESCRIPTION OF LO (Va) DESCRIPTION OF LO 180 R CLG SERVICE PNL 22220 L5-2 180 R CLG SERVICE PNL 22220 L5-3 2500 R I 2500 R I 2500 R I 180 R CLG SERVICE PNL 22221 L5-2 180 R | Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: Constant of the system Image: | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | 0 Rev Proje |
| TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): PANEL: RP-2N12.5-L VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP CKT. TRIP No. (Amps) DESCRIPTION OF LOAD 1 20 RECEPS RM 2222 3 20 RECEPS RM 2222 5 20 RECEPS RM 2222 7 20 RECEPS RM 2222 7 20 8 2222 7 20 9 20 RECEPS RM 22220 & 22221 11 20 20 RECEPS RM 22220 & 22221 13 20 20 RECEPS RM 22221 15 30 20 SPARE 25 20 9 20 10 1 12 1 13 20 20 SPARE 25 20 SPARE | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO 540 R RECEPS RM 22220 540 R RECEPS RM 22220 360 R RECEPS RM 22220 540 R RECEPS RM 22220 540 R RECEPS RM 22221 2496 R | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | 27.45 76.24 SECT.: 2 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: 2 Category Load Per Phase (Va) (Va) A B C R 180 360 100 R | GND.: GROUND BUS 22,000A* DESCRIPTION OF L0 (Va) DESCRIPTION OF L0 180 R CLG SERVICE PNL 22220 L5-2 2500 R CLG SERVICE PNL 22220 L5-3 2500 R CLG SERVICE PNL 22220 L6-3 2500 R CLG SERVICE PNL 22220 L6-3 2500 R CLG SERVICE PNL 22221 L5-2 180 R CLG SERVICE PNL | Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | 0 Rev Project DAS 257 C R R R Th of 85 |
| TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): TOTAL DEMAND LOAD (AMPS): TOTAL DEMAND LOAD (AMPS): VOLTS: 120/208V MAIN C.B.: 225 AMP MAIN BUS: 225 AMP CKT. TRIP No. (Amps) DESCRIPTION OF LOAD 1 20 RECEPS RM 2222 3 20 RECEPS RM 2222 5 20 RECEPS RM 2220 & 2221 11 20 RECEPS RM 2220 & 2221 13 20 RECEPS RM 22220 & 2221 13 20 RECEPS RM 22220 & 2221 14 20 RECEPS RM 22220 & 2221 15 30 208VRECEP RM 2222 17 19 30 208VRECEP RM 22221 15 30 208VRECEP RM 22221 17 19 30 208VRECEP RM 22221 21 19 30 208VRECEP RM 22221 21 23 20 SPARE 31 20 </td <td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td> <td>GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO. 540 R RECEPS RM 22220 540 R RECEPS RM 22220 360 R RECEPS RM 22220 540 R RECEPS RM 22221 2496 R </td> <td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td> <td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td> <td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td> <td>GND.: GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF L0 180 R CLG SERVICE PNL 22220 L5-2 180 R CLG SERVICE PNL 22220 L5-3 2500 R CLG SERVICE PNL 22220 L5-3 2500 R CLG SERVICE PNL 22220 L6-3 2500 R CLG SERVICE PNL 22220 L6-3 2500 R L 180 R CLG SERVICE PNL 22221 L5-2 180 R CLG SERVIC</td> <td>Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system</td> <td>PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT.</td> <td>V Proje DASS Proje DASS Proje DASS</td> | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO. 540 R RECEPS RM 22220 540 R RECEPS RM 22220 360 R RECEPS RM 22220 540 R RECEPS RM 22221 2496 R | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | GND.: GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF L0 180 R CLG SERVICE PNL 22220 L5-2 180 R CLG SERVICE PNL 22220 L5-3 2500 R CLG SERVICE PNL 22220 L5-3 2500 R CLG SERVICE PNL 22220 L6-3 2500 R CLG SERVICE PNL 22220 L6-3 2500 R L 180 R CLG SERVICE PNL 22221 L5-2 180 R CLG SERVIC | Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | V Proje DASS Proje DASS Proje DASS |
| TOTAL DEMAND LOAD (KVÅ): TOTAL DEMAND LOAD (AMPS): VOLTS: 120/208V MAIN C.B.: 225 AMP CKT. TRIP No. (Amps) DESCRIPTION OF LOAD 1 20 RECEPS RM 2222 3 20 RECEPS RM 22220 & 22221 5 20 RECEPS RM 2220 & 22221 1 20 RECEPS RM 22220 & 22221 1 20 RECEPS RM 22220 & 22221 11 20 RECEPS RM 22220 & 22221 13 20 RECEPS RM 22221 14 1 1 19 30 208V RECEP RM 22221 21 1 1 19 30 208V RECEP RM 22221 21 1 1 19 30 208V RECEP RM 22221 21 1 1 | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO. 540 R RECEPS RM 22220 540 R RECEPS RM 22220 360 R RECEPS RM 22220 540 R RECEPS RM 22221 2496 R | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | GND.: GROUND BUS 22,000A* DESCRIPTION OF LO 180 R CLG SERVICE PNL 22220 L5-2 180 R CLG SERVICE PNL 22220 L5-3 2500 R CLG SERVICE PNL 22220 L6-3 2500 R CLG SERVICE PNL 22220 L6-3 2500 R CLG SERVICE PNL 22221 L5-2 180 R CLG SERVICE PNL 22221 L5-3 2500 R | Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | V Proje |
| TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): TOTAL DEMAND LOAD (AMPS): Year Strain Str | 46.73 29.61 82.24 82.24 PHASE: 1 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: Category Load (Va) A B C R 540 R 360 R 360 R 360 R 720 R 540 R 720 R 540 R 360 R 2496 R 2496 R 2496 R 2496 R 2496 Q 0 Q 0 Q 0 Q 0 Q 0 Q 0 <td>GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO. 540 R RECEPS RM 22220 540 R RECEPS RM 22220 360 R RECEPS RM 22220 540 R RECEPS RM 22221 2496 R </td> <td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td> <td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td> <td>27.45 76.24 SECT.: 2 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: 2 Category Load Per Phase (Va) 2 (Va) A B C R 180 360 360 R 2500 5000 100 R 180 360 100 R</td> <td>GND.: GROUND BUS 22,000A* DESCRIPTION OF LO 180 R CLG SERVICE PNL 22220 L5-2 180 R CLG SERVICE PNL 22220 L5-3 2500 R CLG SERVICE PNL 22220 L6-3 2500 R CLG SERVICE PNL 22220 L6-3 2500 R CLG SERVICE PNL 22221 L5-2 180 R CLG SERVICE PNL 22221 L5-3 2500 R</td> <td>Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system</td> <td>PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT.</td> <td>0 Rev Proje</td> | GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO. 540 R RECEPS RM 22220 540 R RECEPS RM 22220 360 R RECEPS RM 22220 540 R RECEPS RM 22221 2496 R | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | 27.45 76.24 SECT.: 2 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: 2 Category Load Per Phase (Va) 2 (Va) A B C R 180 360 360 R 2500 5000 100 R 180 360 100 R | GND.: GROUND BUS 22,000A* DESCRIPTION OF LO 180 R CLG SERVICE PNL 22220 L5-2 180 R CLG SERVICE PNL 22220 L5-3 2500 R CLG SERVICE PNL 22220 L6-3 2500 R CLG SERVICE PNL 22220 L6-3 2500 R CLG SERVICE PNL 22221 L5-2 180 R CLG SERVICE PNL 22221 L5-3 2500 R | Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | 0 Rev Proje |
| TOTAL DEMAND LOAD (KVÅ): TOTAL DEMAND LOAD (AMPS): TOTAL DEMAND LOAD (AMPS): Yotal Demand Load (KVA): Yotal Demand Load (KVA): Yotal Demand Load (KVA): Yotal Connected Lighting Load (KVA): Yotal Connected Receptacte Load (KVA): | 46.73 29.61 82.24 82.24 SECT.: 1 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: Category Load Per Phase (Va) (Va) A B C R 540 1080 - R 360 900 - - R 360 900 - - R 360 900 - - R 2496 4992 - - R 2496 2496 - 4992 R 2496 2496 - 0 R 2496 0 - 0 I 0 0 - 0 - I 0 0< | GROUND BUS 22,000A* Load Category (Va) DESCRIPTION OF LO. 540 R RECEPS RM 22220 540 R RECEPS RM 22220 360 R RECEPS RM 22220 540 R RECEPS RM 22221 2496 R | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{c c} TOTAL DEMAND LOAD (KVA): TOTAL DEMAND LOAD (AMPS): TOTAL DEMAND LOAD (AMPS): TOTAL DEMAND LOAD (AMPS): TOTAL DEMAND LOAD (AMPS): TOTAL CONNECTED LIGHTING LOAD (KVA): TOTAL CONNECTED LIGHTING$ | 27.45 76.24 SECT.: 2 PHASE: 3 WIRES: 4 MINIMUM INTERRUPTING RATING: 2 Category Load Per Phase (Va) 2 (Va) A B C R 180 360 360 R | GND.: GROUND BUS 22,000A* DESCRIPTION OF LO 180 R CLG SERVICE PNL 22220 L5-2 180 R CLG SERVICE PNL 22220 L5-3 2500 R CLG SERVICE PNL 22220 L6-3 2500 R CLG SERVICE PNL 22220 L6-3 2500 R CLG SERVICE PNL 22221 L5-2 180 R CLG SERVICE PNL 22221 L5-3 2500 R | Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system Image: constraint of the system | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING DEMOLITION. PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | 0 Rev Proje |

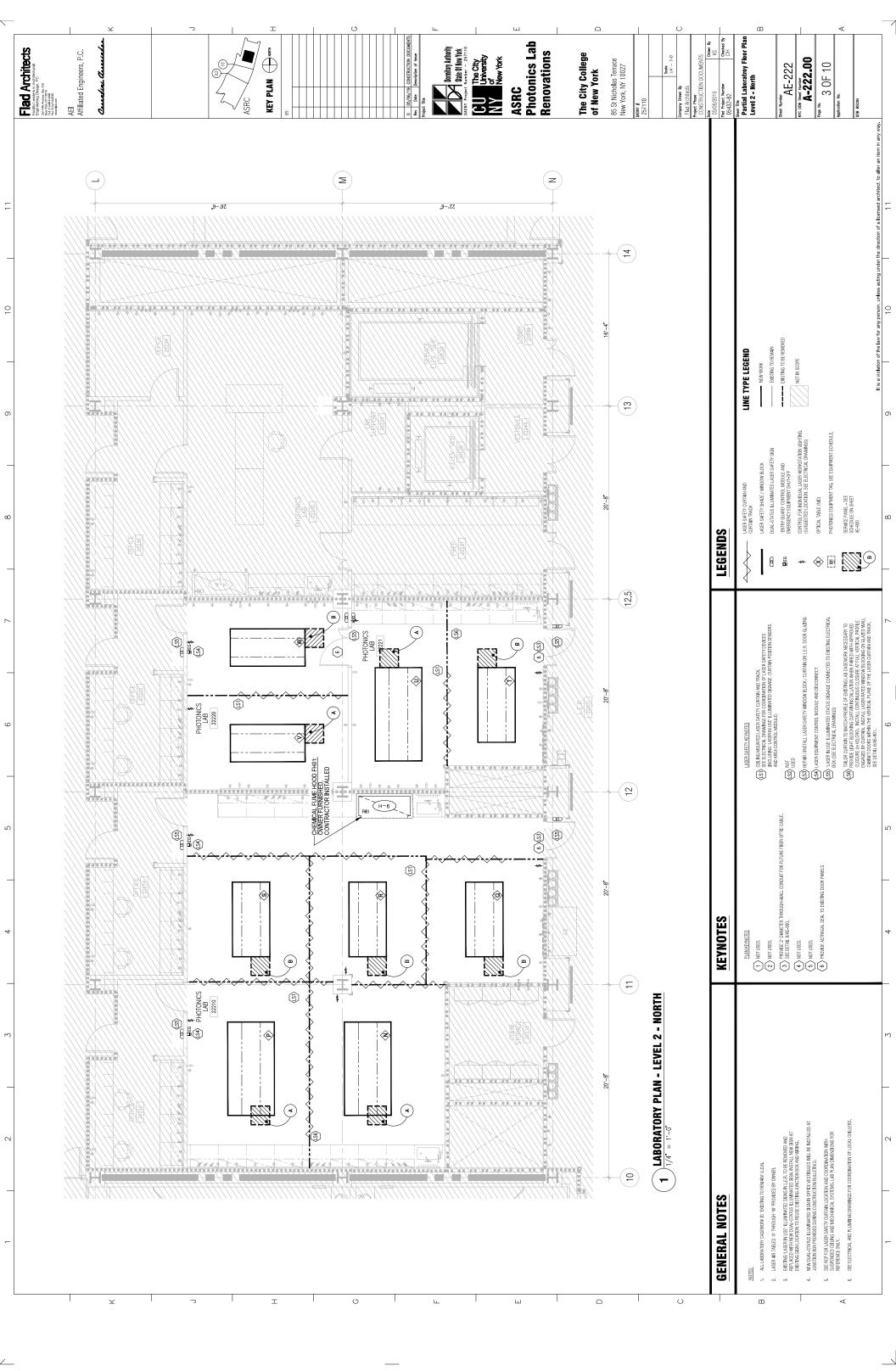
| 0 | | / | | 0 | | 9 | 10 | | | |
|---------------------|---|---|--|--------------|------------------|----------------------|--|--|--|--------|
| | | | | | | | | GENERAL NOTES: | Flad Architects | |
| | PANEL: | RP-2N11-R | SECT.: | 2 | | | RECESSED | 1. REFER TO SHEET E-000 FOR SYMBOLS AND ABBREVIATIONS. | Facility Leaders in Architectural/ Engineering Design, PC 261 Fifth Avenue, Ste. 510 New York, NY 10016 Tel 212-897-3000 | |
| | | 120/208V : 225 AMP | PHASE: | | /IRES: 4 | | GROUND BUS | 2. ALL PANELS, CIRCUITS, AND BREAKERS ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE. | Fax 212-213-8250 www.flad.com | |
| | CKT. TRI | | Category Load | | hase (Va) | | Category Trip Ckt. | | AEI Affiliated Engineers, P.C. | |
| (| - <u>No.</u> (Amp 43 20 | CLG SERVICE PNL 22210 L5-20R | (Va) R 180 D 180 | A 360 | B C | (Va) 180 | DESCRIPTION OF LOAD(Amps)No.RCLG SERVICE PNL 22210 L5-20R2044DCL COEDNICE DNL 22210 L5 20D2046 | | | |
| | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | CLG SERVICE PNL 22210 L5-20R | R 180 R 180 D 180 | | 360 360 | 180 180 | R CLG SERVICE PNL 22210 L5-20R 20 46 R CLG SERVICE PNL 22210 L5-20R 20 48 D CLG SERVICE PNL 22210 L5-20R 20 50 | | | К |
| \sim | 49 20 51 20 | CLG SERVICE PNL 22210 L5-20R | R 180 R 180 | 360 | 360 | 180 180 | R CLG SERVICE PNL 22210 L5-20R 20 50 R CLG SERVICE PNL 22210 L5-20R 20 52 | | | |
| | 53 20 55 30 | | R 180 R 2500 | 5000 | 360 | 180 2500 | R CLG SERVICE PNL 22210 L5-20R 20 54 R CLG SERVICE PNL 22210 L6-30R 30 56 | | | |
| $\langle 3 \rangle$ | 57 59 30 | CLG SERVICE PNL 22210 L6-30R | R 2500 R 2500 D 2500 | | 5000 5000 | 2500 2500 | R 58 R CLG SERVICE PNL 22210 L6-30R 30 60 | $\overline{3}$ | STE OF NEW YON | |
| $\langle 1 \rangle$ | $\begin{cases} 61 \\ 63 \\ 20 \\ 65 \\ 20 \\ 65 \\ 20 \\ 65 \\ 20 \\ 65 \\ 20 \\ 65 \\ 20 \\ 65 \\ 20 \\ 65 \\ 20 \\ 65 \\ 20 \\ 65 \\ 20 \\ 65 \\ 20 \\ 65 \\ 20 \\ 65 \\ 20 \\ 65 \\ 20 \\ 65 \\ 20 \\ 65 \\ 20 \\ 65 \\ 20 \\ 20 \\ 20 \\ 20 \\ 20 \\ 20 \\ 20 \\ 2$ | | R 2500 R 180 | 5000 | 360 | 2500 180 | R 62 R CLG SERVICE PNL 22210 L5-20R 20 64 | | | |
| | $\begin{array}{c cccc} 65 & 20 \\ \hline 67 & 20 \\ \hline 62 & 20 \\ \hline \end{array}$ | CLG SERVICE PNL 22210 L5-20R | R 180 R 180 | 360 | 360 | 180 180 | R CLG SERVICE PNL 22210 L5-20R 20 66 R CLG SERVICE PNL 22210 L5-20R 20 68 | | 10 063909- E | J |
| | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | CLG SERVICE PNL 22210 L5-20R | R 180 R 180 | | 360 360 | 180 180 | R CLG SERVICE PNL 22210 L5-20R 20 70 R CLG SERVICE PNL 22210 L5-20R 20 72 | | TOFESSION | - |
| . (| 73 20 75 30 | | R 180 R 2500 | 360 | 5000 | 180 2500 | R CLG SERVICE PNL 22210 L5-20R 20 74 R CLG SERVICE PNL 22210 L6-30R 30 76 | | | |
| $\langle 3 \rangle$ | 19 30 | CLG SERVICE PNL 22210 L6-30R | R 2500 R 2500 | 5000 | 5000 | 2500 2500 | | $\sqrt{3}$ | | |
| l | 81 1 83 20 | SHADES | R 2500 O 288 | | 5000 288 | 2500 | R 82 SPARE 20 84 | | | |
| | | | | 16440 1 | 16440 11728 | | | | | н |
| | | ONNECTED LIGHTING LOAD (KVA): | 0.00 | | | | | | BY: | - |
| | TOTAL CO | ONNECTED RECEPTACLE LOAD (KVA) ONNECTED OTHER LOAD (KVA): | 0.29 | | | | | SHEET KEYNOTES: | | - |
| | TOTAL DE |)NNECTED LOAD (KVA): MAND LOAD (KVA): | 44.61 27.45 | | | | | PROVIDE NEW LOAD ON EXISTING CIRCUIT UNLOADED DURING | | |
| | TOTAL DE | MAND LOAD (AMPS): | 76.24 | | | | | | | _ |
| | | | | | | | | $\begin{pmatrix} 2 \\ SPARE \\ SPARE \\ \\ \hline 3 \end{pmatrix}$ PROVIDE NEW BREAKER FOR NEW | | G |
| | | | | | | | | LOAD. | | - |
| | | | | | | | | | | _ |
| | | | | | | | | | 0 05/06/19 Construction Documents | |
| | PANEL: VOLTS: | RP-2N12.5-R 120/208V | SECT.: PHASE: | 2 3 W | IRES: 4 | | RECESSED GROUND BUS | | Rev Date Description of Issue Project Title | = |
| | MAIN C.B.: MAIN BUS: | 225 AMP | | M INTERRUPTI | | 22,000A ³ | | | | F |
| | CKT. TRIP No. (Amps | · C | Category Load (Va) | Per Ph | hase (Va) B C | | CategoryTripCkt.DESCRIPTION OF LOAD(Amps)No. | | Dormitory Authority | |
| ſ | 43 20 | CLG SERVICE PNL 22220 L5-20R CLG SERVICE PNL 22220 L5-20R | R 180 | 360 | 360 | 180 180 | R CLG SERVICE PNL 22220 L5-20R 20 44 R CLG SERVICE PNL 22220 L5-20R 20 46 | | DASNY Project Number – 257110 | |
| | 47 20 | CLG SERVICE PNL 22220 L5-20R | R 180 | 360 | 360 | 180 | R CLG SERVICE PNL 22220 L5-20R 20 48 | $\begin{pmatrix} 1 \end{pmatrix}$ | CU The City University | |
| \sim | 49 20 51 20 | CLG SERVICE PNL 22220 L5-20R CLG SERVICE PNL 22220 L5-20R | R 180 R 180 D 190 | | 360 | 180 180 | R CLG SERVICE PNL 22220 L5-20R 20 50 R CLG SERVICE PNL 22220 L5-20R 20 52 D CLG SERVICE PNL 22220 L5-20R 20 54 | | NY of New York | |
| | 53 20 55 30 | CLG SERVICE PNL 22220 L5-20R CLG SERVICE PNL 22220 L6-30R | R 180 R 2500 | 5000 | 360 | 180 2500 | R CLG SERVICE PNL 22220 L5-20R 20 54 R CLG SERVICE PNL 22220 L6-30R 30 56 | | ASRC | E |
| $\langle 3 \rangle$ | 57 1 59 30 | CLG SERVICE PNL 22220 L6-30R | R 2500 R 2500 | | 5000 5000 | 2500 2500 | R 58 R CLG SERVICE PNL 22220 L6-30R 30 60 | $\sqrt{3}$ | Photonics Lab | |
| (| 61 63 20 | I CLG SERVICE PNL 22221 L5-20R | R 2500 R 180 | 5000 | 360 | 2500 180 | R 62 R CLG SERVICE PNL 22221 L5-20R 20 64 | | Renovations | |
| | 65 20 67 20 | CLG SERVICE PNL 22221 L5-20R CLG SERVICE PNL 22221 L5-20R | R 180 R 180 | 360 | 360 | 180 180 | R CLG SERVICE PNL 22221 L5-20R 20 66 R CLG SERVICE PNL 22221 L5-20R 20 68 | | | |
| \checkmark | 69 20 71 20 | CLG SERVICE PNL 22221 L5-20R CLG SERVICE PNL 22221 L5-20R | R 180 R 180 | | 360 360 | 180 180 | R CLG SERVICE PNL 22221 L5-20R 20 70 R CLG SERVICE PNL 22221 L5-20R 20 72 | | The City College | |
| | 73 20 75 30 | CLG SERVICE PNL 22221 L5-20R CLG SERVICE PNL 22221 L6-20R | R 180 R 2500 | 360 5 | 5000 | 180 2500 | R CLG SERVICE PNL 22221 L5-20R 20 74 R CLG SERVICE PNL 22221 L6-30R 30 76 | | of New York | D |
| $\langle 3 \rangle$ | 77 79 30 | CLG SERVICE PNL 22221 L6-30R | R 2500 R 2500 | 5000 | 5000 | 2500 2500 | R 78 R CLG SERVICE PNL 22221 L6-30R 30 80 | $\sqrt{3}$ | 85 St Nicholas Terrace | |
| Ĺ | 81 83 | SHADES | R 2500 O 144 | 5 | 5000 144 | 2500 | R 82 - SPARE 20 84 | | New York, NY 10027 | |
| | | | | 16440 16 | 6440 11584 | | | | dasny # 257110 | |
| | TOTAL CO | NNECTED LIGHTING LOAD (KVA): | 0.00 | | | | | | Scale | _ |
| | | NNECTED RECEPTACLE LOAD (KVA): NNECTED OTHER LOAD (KVA): | : 44.32 0.14 | | | | | | Company Drawn By | с |
| | | NNECTED LOAD (KVA): MAND LOAD (KVA): | 44.46 27.30 | | | | | | Affiliated Engineers Project Phase | = |
| | | MAND LOAD (AMPS): | 75.84 | | | | | | CONSTRUCTION DOCUMENTS Date Drawn By | - |
| | | | | | | | | | 05/06/2019AEIFlad Project NumberChecked By05432-82AEI | |
| | | | | | | | | | Sheet Title | - |
| | | | | | | | | | Electrical Panel Schedules | В |
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| | | | | | | | | | DOB BSCAN | |
| | | | | | | | It is a violation of the law for any person, unless acting under the | direction of a licensed architect, to alter an item in any way | | |

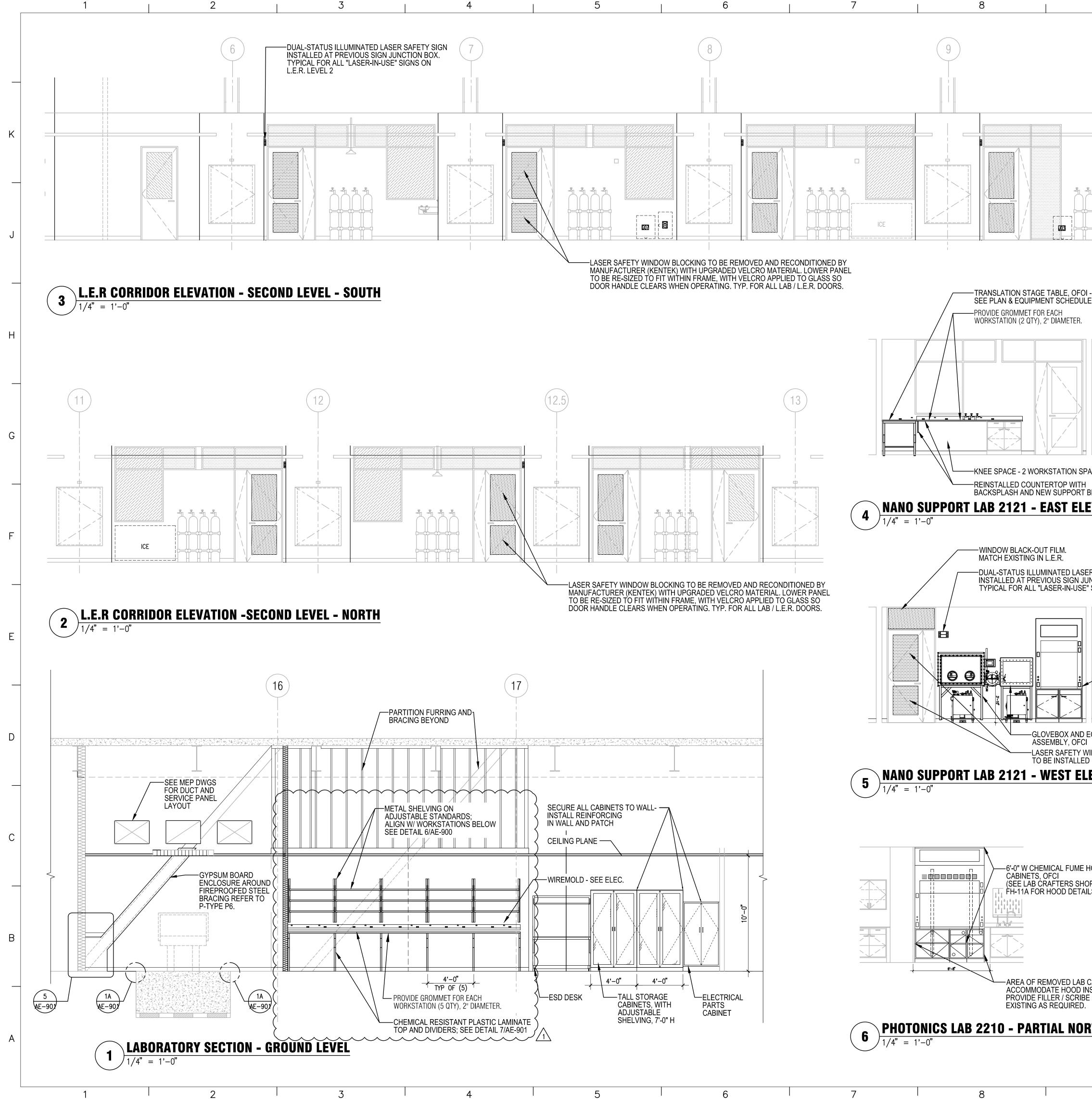
| | / | | | 0 | | | 9 | | 10 | | |
|--|---|------------|------------------|--------|-----------------------------|-------|--------------|-------------------|---|--|--|
| | | | | | | | | | | GENERAL NOTES: 1. REFER TO SHEET E-000 FOR SYMBOLS AND ARREDUATIONS | Flad Architects Facility Leaders in Architectural/ Engineering Design, PC |
| PANEL: RP-2 VOLTS: 120/2 | 208V | | SECT.: PHASE: | 2 3 | WIRES: | 4 | | RECESS GROUNI | | SYMBOLS AND ABBREVIATIONS. 2. ALL PANELS, CIRCUITS, AND | 261 Fifth Avenue, Ste. 510 New York, NY 10016 Tel 212-897-3000 Fax 212-213-8250 www.flad.com |
| MAIN C.B.: 225 A | AMP | | | 5 | | | | | | 2. ALL PANELS, CIRCUITS, AND BREAKERS ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE. | www.flad.com |
| IAIN BUS: 225 A | | Category | | | JPTING RAT Per Phase (Va | | 22,000A* | * Category | | Ckt. | AEI Affiliated Engineers, P.C. |
| No. (Amps) | DESCRIPTION OF LOAD | | (Va) | A | B | C | (Va) | | DESCRIPTION OF LOAD (Amps) | No. | AIIIIIaicu Liiginooro, |
| | SERVICE PNL 22210 L5-20R SERVICE PNL 22210 L5-20R | R R | 180 180 | 360 | 360 | | 180 180 | | CLG SERVICE PNL 22210 L5-20R 20 CLG SERVICE PNL 22210 L5-20R 20 | $\frac{44}{46}$ | |
| | SERVICE PNL 22210 L5-20R | R | 180 | 260 | | 360 | 180 | R | CLG SERVICE PNL 22210 L5-20R 20 | | |
| | SERVICE PNL 22210 L5-20R SERVICE PNL 22210 L5-20R | R R | 180 180 | 360 | 360 | | 180 180 | к R | CLG SERVICE PNL 22210 L5-20R 20 CLG SERVICE PNL 22210 L5-20R 20 | $\frac{50}{52}$ | |
| 53 20 CLGS | SERVICE PNL 22210 L5-20R | R | 180 | 5000 | | 360 | 180 | R | CLG SERVICE PNL 22210 L5-20R 20 | 54 | |
| 55 30 CLGS 57 | SERVICE PNL 22210 L6-30R | R R | 2500 2500 | 5000 | 5000 | | 2500 2500 | R R | CLG SERVICE PNL 22210 L6-30R 30 | 56 58 | |
| 59 30 CLG S | SERVICE PNL 22210 L6-30R | R | 2500 | | | 5000 | 2500 | R | CLG SERVICE PNL 22210 L6-30R 30 | 60 3 | TE OF NEW YOD |
| 61 63 20 CLG S | SERVICE PNL 22210 L5-20R | R R | 2500 180 | 5000 | 360 | | 2500 180 | R R | CLG SERVICE PNL 22210 L5-20R 20 | $\begin{array}{c} 62\\ 64\end{array}$ | SALE M. PART |
| 65 20 CLGS | SERVICE PNL 22210 L5-20R | R | 180 | | | 360 | 180 | R | CLGSERVICE PNL 22210 L5-20R 20 | 66 | (ELLA Kuley) |
| | SERVICE PNL 22210 L5-20R SERVICE PNL 22210 L5-20R | R R | 180 180 | 360 | 360 | | 180 180 | R R | CLG SERVICE PNL 22210 L5-20R 20 CLG SERVICE PNL 22210 L5-20R 20 | $\begin{array}{c c} 68 \\ \hline 70 \end{array}$ | 063009-15 ROFESSIONAL |
| | SERVICE PNL 22210 L5-20R | R | 180 | | | 360 | 180 | R | CLG SERVICE PNL 22210 L5-20R 20 | 72 | |
| | SERVICE PNL 22210 L5-20R SERVICE PNL 22210 L6-30R | R R | 180 2500 | 360 | 5000 | | 180 2500 | R | CLG SERVICE PNL 22210 L5-20R 20 CLG SERVICE PNL 22210 L6-30R 30 | 74 76 | |
| 77 | | R | 2500 | | 3000 | 5000 | 2500 | R | | 78 ^ | |
| 79 30 CLG S 81 | SERVICE PNL 22210 L6-30R | R R | 2500 2500 | 5000 | 5000 | | 2500 2500 | R R | CLG SERVICE PNL 22210 L6-30R 30 | $\frac{78}{80}$ 3 | |
| 83 20 SHADI | DES | N | 2300 | | 5000 | 288 | 2300 | | SPARE 20 | 82 84 | |
| | | | | 16440 | 16440 | 11728 | | | | | |
| | | | | 10440 | 10440 | 11728 | | | | | |
| | TED LIGHTING LOAD (KVA): |) . | 0.00 | | | | | | | | BY: |
| | TED RECEPTACLE LOAD (KVA) TED OTHER LOAD (KVA): |): | 44.32 0.29 | | | | | | | | |
| OTAL CONNECT | TED LOAD (KVA): | | 44.61 | | | | | | | $\frac{\text{SHEET KEYNOTES:}}{1}$ PROVIDE NEW LOAD ON EXISTING | |
| OTAL DEMAND | | | 27.45 76.24 | | | | | | | CIRCUIT UNLOADED DURING DEMOLITION. | |
| | | | | | | | | | | <u> </u> | |
| | | | | | | | | | | 2 PROVIDE NEW LOAD ON EXISTING SPARE CIRCUIT. | |
| | | | | | | | | | | 3 PROVIDE NEW BREAKER FOR NEW LOAD. | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | N14 5 D | | aron | | | | | DECECCI | | | 0 05/06/19 Construction Documents |
| ANEL: RP-2N OLTS: 120/20 | N12.5-R 08V | | SECT.: PHASE: | 2 3 | WIRES: | 4 | | RECESSE GROUNI | | | Rev Date Description of Issue Project Title |
| AIN C.B.: 225 AI | | ٦ | | | | | | | | | |
| AIN BUS: 225 AI | | | Load | | PTING RAT | | 22,000A* | Category | Trip | Ckt. | Dormitory Authority |
| o. (Amps) I | DESCRIPTION OF LOAD | | (Va) | A | В | C | (Va) | | DESCRIPTION OF LOAD (Amps) | No. | State Of New York |
| | ERVICE PNL 22220 L5-20R ERVICE PNL 22220 L5-20R | R R | 180 180 | 360 | 360 | | 180 180 | + + | CLG SERVICE PNL 22220 L5-20R 20 CLG SERVICE PNL 22220 L5-20R 20 | $\frac{44}{46}$ | DASNY Project Number - 257110 |
| | ERVICE PNL 22220 L5-20R | R | 180 | | | 360 | 180 | | CLG SERVICE PNL 22220 L5-20R 20 | | CU The City University |
| | ERVICE PNL 22220 L5-20R ERVICE PNL 22220 L5-20R | R R | 180 180 | 360 | 360 | | 180 180 | R | CLG SERVICE PNL 22220 L5-20R 20 CLG SERVICE PNL 22220 L5-20R 20 | $\frac{50}{52}$ | NY of New York |
| | ERVICE PNL 22220 L5-20R | R | 180 | | 500 | 360 | 180 | 1 1 | CLG SERVICE PNL 22220 L5-20R 20 20 20 20 | <u>52</u> 54 | |
| 55 30 CLG SH | ERVICE PNL 22220 L6-30R | R R | 2500 2500 | 5000 | 5000 | | 2500 2500 | R R | CLG SERVICE PNL 22220 L6-30R 30 | $\frac{56}{58}$ | ASRC |
| | ERVICE PNL 22220 L6-30R | R R | 2500 2500 | | 3000 | 5000 | 2500 | | CLG SERVICE PNL 22220 L6-30R 30 | $\frac{38}{60}$ 3 | Photonics La |
| | | R | 2500 | 5000 | 2(0 | | 2500 | R | | 62 . | Renovations |
| | ERVICE PNL 22221 L5-20R ERVICE PNL 22221 L5-20R | R R | 180 180 | | 360 | 360 | 180 180 | R R | CLG SERVICE PNL 22221 L5-20R 20 CLG SERVICE PNL 22221 L5-20R 20 | 64 $\overline{66}$ | nciivativiis |
| 57 20 CLG SI | ERVICE PNL 22221 L5-20R | R | 180 | 360 | 2.60 | | 180 | | CLG SERVICE PNL 22221 L5-20R 20 | 68 | |
| | ERVICE PNL 22221 L5-20R ERVICE PNL 22221 L5-20R | R R | 180 180 | | 360 | 360 | 180 180 | | CLG SERVICE PNL 22221 L5-20R 20 CLG SERVICE PNL 22221 L5-20R 20 | $\frac{70}{72}$ | The 0:4- 0-11- |
| ⁷ 3 20 CLG SI | ERVICE PNL 22221 L5-20R | R | 180 | 360 | | 200 | 180 | 1 1 | CLG SERVICE PNL 22221 L5-20R 20 | 74 | The City College |
| 75 30 CLG SH | ERVICE PNL 22221 L6-20R | R P | 2500 2500 | | 5000 | 5000 | 2500 2500 | R | CLG SERVICE PNL 22221 L6-30R 30 | $\frac{76}{78}$ | of New York |
| | ERVICE PNL 22221 L6-30R | R R | 2500 | 5000 | | 3000 | 2500 2500 | R R | CLG SERVICE PNL 22221 L6-30R 30 | $\frac{78}{80}$ | 85 St Nicholas Terrace |
| 31 | | R | 2500 | | 5000 | 1 4 4 | 2500 | R | | 82 - | New York, NY 10027 |
| 3 20 SHADE | ES | 0 | 144 | | | 144 | | | SPARE 20 | 84 | Dasny # |
| | | | | 16440 | 16440 | 11584 | | | | | 257110 |
|)TAL CONNECTI | ED LIGHTING LOAD (KVA): | | 0.00 | | | | | | | | |
| OTAL CONNECT | TED RECEPTACLE LOAD (KVA): | : | 44.32 | | | | | | | | Scale |
| | TED OTHER LOAD (KVA): TED LOAD (KVA): | ٠ | 0.14 44.46 | | | | | | | | Company Drawn By Affiliated Engineers |
| DTAL CONNECTI DTAL DEMAND L | | | 27.30 | | | | | | | | Project Phase |
| DTAL DEMAND L | | • | 75.84 | | | | | | | | CONSTRUCTION DOCUMENTS Date Drawn |
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| | | Flad Architectural/ Engineering Design, PC 201 Fifth Avenue, Ste. 510 New York, NY 10016 Tel 212-897-3000 Fax 212-213-8250 www.flad.com | |
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| SPACES | LED TASK LIGHTING FIXTURES OFCI, TYP. EPOXY COUNTER TOP FILLER PANELS, OFCI BASE AND WALL CABINETRY IS DEPOXY COUNTER TOP | | G |
| H T BRACKET L EVATION | APPROXIMATE AND FINAL LAYOUT TO BE BASED ON ATTIC STOCK TEM SUPPORT 00772A SOUTH ELEVATION | OI O6/11/19 ADDENDUM 01 0 05/06/19 CONSTRUCTION DOCUMENTS Rev Date Description of Issue | |
| SER SAFETY SIGN | | Project Title Dormitory Authority DASNY Project Number - 257110 | F |
| JUNCTION BOX. E" SIGNS ON L.E.R. LEVEL 2 | | The City University of New York ASRC Photonics Lab | E |
| FUME HOOD | | Renovations The City College | |
| D EQUIPMENT CI WINDOW BLOCKING ED LEVATION | LASER SAFETY WINDOW BLOCKING TO BE INSTALLED 8 $\frac{2.221 \text{ DOOR ELEVATION}}{1/4" = 1'-0"}$ | of New York 85 St Nicholas Terrace New York, NY 10027 | D |
| E HOOD AND BASE | | Scale 1/4" = 1'-0" Company Drawn By Flad Architects Project Phase CONSTRUCTION DOCUMENTS Date 06/11/2019 | С |
| AILS) | | 05432-82 DH Sheet Title Interior Elevations | В |
| B CASEWORK TO | | Sheet Number AE-850 NYC DOB Sheet Number | |
| INSTALLATION. BE TO MATCH D. | | A-850.00 Poge No. 7 OF 10 | |
| ORTH ELEVATION | | Application No. | A |

It is a violation of the law for any person, unless acting under the direction of a licensed architect, to alter an item in any way.

