

### **Request for Proposal**

Labor and Materials July 15, 2022

### 2022 Gymnasium Lighting Replacement

### **SITE LOCATION:**

Recreation Center of Highland Park 1207 Park Avenue West Highland Park, IL 60035

### **OPTIONAL PRE-PROPOSAL MEETING:**

Wednesday July 20, 2022 at 10:30am 1207 Park Avenue West Highland Park, IL 60035

### SUBMISSION DEADLINE:

Tuesday August 2, 2022 at 2:00pm

Mitch Carr Park District of Highland Park 636 Ridge Road Highland Park, IL 60035

July 15, 2022

Dear Contractors:

The Park District of Highland Park is seeking proposals for contractors to provide the labor and materials for the following project: 2022 Gymnasium Lighting Replacement

The RFP packet is also available on our website at <a href="http://www.pdhp.org/bids-rfps/">http://www.pdhp.org/bids-rfps/</a> and specifies required qualifications, scope of work, submittal instructions and a set of proposal forms. Please note that if you intend to submit a proposal for this project, then it is your responsibility to register with Mitch Carr via mcarr@pdhp.org or (847) 579-3105. This will identify you as a registered plan holder and therefore, you will receive any addenda that may be issued. Addenda will be sent only to those contractors that complete such registration. The contractor remains responsible for obtaining all addenda to the original specification.

An optional pre-proposal meeting will be held at Recreation Center of Highland Park, 1207 Park Avenue West on Wednesday, July 20 at 10:30am.

Proposals should be e-mailed to mcarr@pdhp.org.

Proposals will be received no later than August 2, 2022 at 2:00pm

Questions regarding this project or the enclosed documents can be directed to Mitch Carr at mcarr@pdhp.org or (847) 579-3105.

Sincerely,

Mitch Carr Director of Recreation and Facilities

### **TABLE OF CONTENTS**

GENERAL INFORMATION	Error! Bookmark not defined.
TERMS AND CONDITIONS	6
PROPOSAL FORM	10
REFERENCES	12
CONTRACTOR PROFILE AND QUALIFICATIONS	13
CONTRACTOR'S CERTIFICATION OF ELIGIBILITY	15
SAMPLE CONTRACT	16
SPECIFICATIONS	22
LIST OF DRAWINGS	23

### **GENERAL INFORMATION**

#### Introduction

The Park District of Highland Park is seeking a contractor to provide material and labor to replace thirty (30) 8-Lamp Fluorescent High Bay 42TRT lights with a equal number of LED High Bay fixtures for its Recreation Center of Highland Park facility gymnasium. The location of the facility is 1207 Park Avenue West, Highland Park, IL 60035

#### **Intention**

The District is soliciting proposals from qualified Contractors interested in this project as specified herein. The District reserves the right not to award any contract for the project.

### Service to Be Provided

The contractor shall provide design, installation and materials to replace 30 High Bay lighting fixtures from Fluorescent to LED

#### **Examination of the Sites**

An optional pre-proposal meeting will be held at Recreation Center of Highland Park, 1207 Park Avenue West, Highland Park, IL 60035 on Wednesday, July 20, 2022 at 10:30am. Each contractor is encouraged to visit the site to become fully acquainted with the facility, scope of the project, service and difficulties of providing this service or completing this project. Neither additional compensation nor relief from any obligations will be granted because of a lack of knowledge of the site(s) or the conditions under which the work will be accomplished.

### **Discussion of Proposals**

The Park District may conduct discussions with any Contractor that submits a proposal. During the course of such discussions, the District shall not disclose any information marked confidential within any proposal and may discuss comparative pricing with one or more Contractors.

The Park District may also choose to interview Contractors during the evaluation process. Selected Contractors may be requested to provide oral presentations. Those Contractors will be notified to arrange specific times. The Park District will not be responsible for any cost of the Contractor's presentation.

### **Negotiations**

The Park District reserves the right to negotiate specifications, terms and conditions which may be necessary or appropriate to the accomplishment of the purpose of this RFP.

After a review of the proposals, the District intends to enter into an agreement with the selected contractor. If an agreement is not finalized in a reasonable amount of time as determined by the District in its sole discretion, then the District reserves the right to negotiate with other contractors as may best serve the interests of the Park District.

### **Reserved Rights**

The Park District reserves the right at any time and for any reason to cancel this Request for Proposals or any portion thereof, to reject any or all proposals, or to accept an alternate proposal. The District reserves the right to waive any immaterial defect in any proposal. Unless otherwise specified by the Contractor, the District has ninety (90) days from the published submission date to enter into an agreement with a Contractor. The District may seek clarification from a Contractor at any time and failure to respond promptly is cause for rejection.

#### **Incurred Costs**

Park District of Highland Park will not be liable, under any circumstance, for any costs incurred by Contractors in replying to this RFP.

#### Award

A Contractor to whom an offer is made shall be required to enter into a written contractual agreement with the District in a form approved by legal counsel for the Park District. This RFP and the proposal, or any part thereof, may be incorporated into and made part of the final written agreement. The District reserves the right to negotiate the terms and conditions of the agreement with the selected Contractor. Payment by the District may be by credit card.

The failure of the successful Contractor to enter into a Contract within ten (10) calendar days after the Notice of Award or within such extended period as the Owner may grant shall constitute a default, and the Owner may either award the Contract to the next responsible, responsive Contractor or re-advertise for proposals. A charge against the defaulting Contractor may be made for the difference between the amount of the proposal and the amount for which a contract for the work is subsequently executed.

#### Taxes

Park District of Highland Park is not subject to Federal Excise Tax and is exempt from state and local taxes.

### **Equal Employment Opportunity**

Equal Employment Opportunity Clause, Section 6.1 of the Illinois Department of Human Rights Rules and Regulations shall be a material term of this agreement.

#### **Sustainability**

The Park District of Highland Park is committed to sustainable practices that benefit our environment and the health and safety of our customers. The Contractor agrees to work with Park District staff if applicable on sustainable project elements and materials.

#### **Additional Information**

Should the Contractor require additional information about this proposal, please contact Mitch Carr either by e-mail, <a href="mailto:mcarr@pdhp.org">mcarr@pdhp.org</a> or by phone 847-579-3105, no less than five (5) days prior to the proposal opening date. ANY and ALL changes to these specifications are valid only if they are included by written addendum to all Contractors. No interpretation of the meaning of the plans, specifications or other documents will be made orally. Failure of any Contractor to receive any such addendum or interpretation shall not relieve the Contractor from obligation

under this proposal as submitted. All addenda so issued shall become part of the proposal documents. Failure to request an interpretation constitutes a waiver to later claim that ambiguities or misunderstandings caused a Contractor to improperly submit a proposal.

### **TERMS AND CONDITIONS**

#### **Contractor Qualifications**

All Contractors must be engaged in the type of work or services as outlined in these specifications, and meet the following qualifications: Minimum of 5 years' experience, Fully Licensed and Insured .The Park District of Highland Park reserves the right to check references to ensure that competent persons will be utilized in the performance of the agreement.

As part of the proposal, submit a completed qualifications form (attached), indicating your proposed team's experience with similar work.

### Items to be Submitted

Contractors shall submit:

- Proposal Form
- References
- Contractor Profile and Qualifications Form
- Contractor's Certification of Eligibility Form

Contractors lacking these completed forms may not be considered for award.

We encourage contractors to include additional documentation supporting contractor's performance record, financial resources, experience, and reliability to execute this agreement as described herein. Any and all exceptions to these RFP terms and specifications must be clearly documented.

#### **Substitutions**

Each proposal shall be based upon the material and equipment called for in the plans and specifications. Items called for in the plans and specifications are done so to establish a standard. Only prior written approval from Owner shall allow any substitution of material, furnishing or article in place of the item specified. References to the term "equal" or "approved equal" shall mean that an item used in place shall be of equal or greater quality and shall be approved in the manner described in this section as a substitute to the specified material, furnishing or article.

Requests for substitutions shall be made five (5) calendar days prior to the submission deadline to Owner. Each substitution request shall include a complete description of the proposed substitute, the name of the material or equipment for which it is to be substituted, all specifications for requested substitute including drawings with dimensions and any other data or information necessary for a complete evaluation. Any substitution accepted by Owner shall be done so in a written addendum to the bid documents: no other substitution shall be granted.

#### **Evaluation Criteria**

The Park District will review proposals to select that proposal which, in the sole discretion of the Park District, is determined to be in its best interests. The Park District may still, thereafter, choose not to award any contract or to award a negotiated and modified proposal.

### **Timely Submissions**

The receipt of proposals will cease at the date and time set forth above. Proposals received after the scheduled date and time likely will not be considered

### **Responsibility and Default**

The contractor shall be required to assume responsibility for fulfillment of all items listed in this Request for Proposals. The successful Contractor shall be considered the sole point of contact for purposes of this contract agreement.

### **Change in Status**

The contractor shall notify the Park District of Highland Park immediately of any change in its status resulting from any of the following:

- Contractor is acquired by another party
- Contractor becomes insolvent
- Contractor, voluntary or by operation law, becomes subject to the provisions of any chapter of the Bankruptcy Act
- Contractor ceases to conduct its operations in normal course of business

The District shall have the option to terminate its agreement with the contractor immediately on written notice based on any such change in status.

#### Indemnification

To the fullest extent permitted by law, to waive any and all rights of contribution against the Park District and to indemnify and hold harmless the Park District and its officers, officials, employees, volunteers and agents from and against all claims, damages, losses and expenses, including, but not limited to, legal fees (attorney's and paralegal's fees, expert fees and court costs) arising out of or resulting from the performance of the Contractor's work, provided that any such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or injury to or destruction of property, other than the work itself, including the loss of use resulting therefrom, or is attributable to misuse or improper use of trademark or copyright protected material or otherwise protected intellectual property, to the extent it is caused in whole or in part by any wrongful or negligent act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable. Such obligation shall not be construed to negate, abridge or otherwise reduce any other right to indemnity which the Park District would otherwise have. Contractor shall similarly, protect, indemnify and hold and save harmless, City, its officers, officials, employee, volunteers and agents against and from any and all claims, costs, causes, actions and expenses, including, but not limited to, legal fees, incurred by reason of Contractor's breach of any of its obligations under, or Contractor's default of any provisions of the Contract. The indemnification obligations under this paragraph shall not be limited in any way by any limitation on the amount

or type of damages, compensation, or benefits payable by or for Contractor or any subcontractor under Workers' Compensation or Disability Benefit Acts or Employee Benefit Acts.

### **Insurance Requirements**

Unless otherwise agreed to by the Park District, the successful contractor shall be required to keep in force, to the satisfaction of the Owner, at all times during the performance of any work referred to above, Workers Compensation and Employer's Liability Insurance, Commercial General Liability Insurance, and Automobile Insurance in at least the type and amounts as follows:

- 1. Workers' Compensation:
- a. State: Statutory
- b. Applicable Federal (e.g., Longshoremen's): Statutory
- c. Employer's Liability

\$1,000,000.00 Per Accident

\$1,000,000.00 Disease, Policy Limit

\$1,000,000.00 Disease, Each Employee

- 2. Commercial General Liability:
  - 1. \$2,000,000.00 General Aggregate
  - 2. \$1,000,000.00 Products Completed Operations Aggregate
  - 3. \$1,000,000.00 Personal and Advertising Injury
  - 4. \$1,000,000.00 Each Occurrence
  - 5. \$ 50,000.00 Fire Damage (any one fire)
  - 6. \$ 5,000.00 Medical Expense (any one person)
- 3. Business Automobile Liability (including owned, non-owned and hired vehicles):
  - a. Bodily Injury:

\$1,000,000.00 Per Person

\$1,000,000.00 Per Accident

b. Property Damage:

\$1,000,000.00 Per Occurrence

4. Umbrella Excess Liability:

\$2,000,000.00 over Primary Insurance

Prior to beginning work, the contractor shall have to furnish the Owner with a certificate(s) of insurance and applicable policy endorsement(s), executed by a duly authorized representative of each insurer, showing compliance with the insurance requirements set forth above.

### **Sexual Harassment Policy**

Pursuant to Section 2-105 of the Illinois Human Rights Act (775 ILCS 5/1-101 et. seq.) ("Act"), all Contractors to this agreement must have, prior to awarding this agreement, in effect and in force a **written** sexual harassment policy.

#### **Compliance with all Laws**

Contractor shall comply with all applicable laws, regulations, and rules promulgated by any Federal, State, County, Municipal and or other governmental unit or regulatory body now in effect during the performance of the work. By way of example, the following are included within the scope of the laws, regulations and rules referred to in this paragraph, but in no way to operate as a limitation on the laws, regulations and rules with which Contractor must comply, are all forms of Workers Compensation Laws, all terms of the Equal Employment Opportunity Clause of the Illinois Fair Employment Practices Commission, the Illinois Preference Act, the Social Security Act, the Substance Abuse Prevention on Public Works Act, Statutes relating to contracts let by units of government, all applicable Civil Rights and Anti-Discrimination Laws and Regulations, Americans with Disabilities Act, and traffic and public utility regulations. Contractor shall also furnish without charge any affidavit or Certificate in connection with the work covered by this agreement as required by law.

### **Prevailing Wage and Certified Payroll**

Contractor agrees to pay and require every Subcontractor to pay prevailing wages as established by the Illinois Department of Labor for each craft or type of work needed to execute the contract in accordance with 820 ILCS 130/.01 et seq. The Illinois Department of Labor publishes the prevailing wage rates on its website at: <a href="https://www.illinois.gov/idol/Laws-">https://www.illinois.gov/idol/Laws-</a> Rules/CONMED/Pages/Rates.aspx CONTRACTOR is advised that the Department revises the prevailing wage rates and the CONTRACTOR has an obligation to check the Department's web site for revisions. The CONTRACTOR shall prominently post the current schedule of prevailing wages at the Contract site and shall notify immediately in writing all of its Subcontractors, of all changes in the schedule of prevailing wages. Any increases in costs to the CONTRACTOR due to changes in the prevailing rate of wage during the terms of any contract shall be at the expense of the CONTRACTOR and not at the expense of the Owner. The change order shall be computed using the prevailing wage rates applicable at the time the change order work is scheduled to be performed. The CONTRACTOR shall be solely responsible to maintain accurate records as required by the prevailing wage statute and to obtain and submit all such certified records to the Illinois Department of Labor Certified Transcript of Payroll Portal at https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/CertifiedTranscriptOfPayroll.aspx no later than the 15<sup>th</sup> of each calendar month following a month in which construction on the project has occurred as required by Statute. CONTRACTOR shall furnish AGENCY confirmation that certified payroll was submitted. In lieu of certified payroll, CONTRACTOR shall submit a letter setting forth the basis upon which CONTRACTOR has concluded the Act does not apply. The CONTRACTOR shall be solely liable for paying the difference between prevailing wages and any wages actually received by laborers, workmen and/or mechanics engaged in the Work and in every way defend and indemnify the AGENCY against any claims arising under or related to the payment of wages in accordance with the Prevailing Wage Act.

#### **Special Conditions**

Contractor shall familiarize himself with all of the agreement documents as listed in the table of contents and he shall be responsible for all the material covered in same. No allowances will be made for information overlooked or for negligence on the part of the Contractor for not familiarizing himself with site conditions. The Contractor's signature on the proposal shall be the Owner's guarantee that the Contractor has met these restrictions.

### Signature and Legibility

The prices for work and the names, addresses, and signatures of the Contractors shall be clearly and legibly written. Signatures shall be signed in the space provided and in compliance with all legal requirements.

### **Schedule**

Request for Proposals Released July 15

Optional Pre-Proposal Meeting July 20 at 10:30am

Proposals Due No Later Than 2:00pm August 2 Anticipated Contract Award Date August 24

Anticipated Start of Work Anytime after September 6

Project Completion Date December 30

### PROPOSAL FORM

(Page 1 of 2)

TO:	Park District of Highland Park 636 Ridge Road Highland Park, IL 60035		
FROM:			_
	Company		
	Street Address		_
	City, State, Zip		_
	Phone		_
	2 Gymnasium Lighting Replacement	t	
BASE PRO	OPOSAL:		
	Taterials and Installation of 30 High ED light fixtures	Bay	\$
TOTAL B	ASE PROPOSAL		\$
Receipt of	Addenda: The receipt of the followin	g addenda is here	eby acknowledged:
Addendum	No,	Dated	
Addendum	No.	Dated	

### **PROPOSAL FORM**

(Page 2 of 2)

SUBCONTRACTORS: List Name, Address, Phone and Work Assignment

1.	
2.	
3.	
Work, the uncontract docucontractor's cand any and a The District ror parts of an	and in compliance with the General Information, Terms and Conditions, Scope of dersigned agrees to supply all materials/perform all work in accordance with these ments for the prices and/or amounts specified herein. All amounts shall reflect the complete and thorough understanding of conditions which might affect the proposal all provisions, restrictions and requirements of these contract documents.  The eserves the right to accept any part, or all of any proposal, and to reject any and all y and all proposal. Any proposal which contains items not specified, or which does all the items scheduled for proposal, shall be considered informal and may be is basis.
BY:	Name and Title of Authorized Agent
	Name and The Of Authorized Agent
	Authorized Signature
	Date

### **REFERENCES**

Contractor shall include at least three (3) references with which the Contractor has completed similar work of approximate magnitude required under this contract.

Project Name
Project Location
Contact Person
Telephone Number/E-Mail
Project Completion Date
Project Name
Project Location
Contact Person
Telephone Number/E-Mail
Project Completion Date
Project Name
Project Location
Contact Person
Telephone Number/E-Mail
Project Completion Date
Project Name
Project Location
Contact Person
Telephone Number/E-Mail
Project Completion Date
Project Name
Project Location
Contact Person
Telephone Number/E-Mail
Project Completion Date

### **CONTRACTOR PROFILE AND QUALIFICATIONS**

(Page 1 of 2)

Name	
Address	
City, State, Zip Code	
Contact Person	
Telephone Number	E-Mail
# of Employees	Annual Sales #
Contractor's organization has been in busin	ness under its present business name for years.
Contractor's organization has had experience proposed contract:	ce in work comparable with that required under the
as a prime contractor	years;
as a subcontractor	
The following Contractor's employees will  Name	
Position	
Years of Experience	
Responsibility/Task	
Name	
Position	
Years of Experience	
Name	
Position	
Years of Experience	
Responsibility/Task	

Contractor may attach additional project detail to demonstrate ability to successfully complete work comparable with that required under the proposed contract.

### CONTRACTOR PROFILE AND QUALIFICATIONS

(Page 2 of 2)

1.	Within the past ten (10) years, has your firm, any officer or other individual employed by your firm, been the subject of any administrative or judicial proceeding for alleged violations of any law, or any rule or regulation of any governmental body. If yes, please provide a detailed explanation of the proceeding, including the nature of the charge or claim, the disposition of the matter and the specific individuals/entities involved.
2.	Within the past ten (10) years, has your firm been the subject of any other type of claim, including by way of example and not limitation, for breach of contract? If yes, please provide a detailed explanation of the proceeding, including the caption, claimant, court or other dispute forum, nature and disposition of the claim.
3.	Has your firm ever been terminated prior to completion of its services from any project? If yes, please provide a detailed explanation, including the identities of all entities and individuals involved, the nature of the services which your firm was to provide, the individuals who were assigned to prove the services and the reason given for the termination

### **CONTRACTOR'S CERTIFICATION OF ELIGIBILITY**

Individual, Partnership, Corporation
ed Contract, hereby certifies that the Contractor ed contract or entering into a contract with the olation of either Section 33E-3 Bid-rigging or Criminal Code, 720 ILCS 5/33E-1, et. seq., as
ractor
By:
Its:
Title
tate and County aforesaid, hereby certify that first duly sworn on oath, acknowledged that, and that he/she executed the foregoing ct and deed of Contractor.
2
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### **SAMPLE CONTRACT**

The Park District of Highland Park executes an Independent Contractor Agreement for all work. A sample of the **Independent Contractor Agreement** is provided on the following pages.

#### INDEPENDENT CONTRACTOR AGREEMENT

THIS AGREEMENT entered into by and between <NAME OF CONTRACTOR> (hereafter "CONTRACTOR") and the PARK DISTRICT OF HIGHLAND PARK (hereafter "AGENCY").

WHEREAS, CONTRACTOR will be performing services and work for AGENCY in accordance with the following: Request for Proposal <NAME OF PROJECT> dated <DATE (long form i.e. July, 25, 2011)>; the documents referenced therein; CONTRACTOR's Proposal in response to the Request for Proposal for <NAME OF SERVICES REQUESTED> (hereafter "Proposal"); which is attached hereto and incorporated herein as **Exhibit A**;

WHEREAS, Exhibit A, together with this document, collectively comprise the agreement of the parties and are hereafter referred to as the "Agreement"; and

WHEREAS, CONTRACTOR may have subcontractors, material suppliers and one or more employees engaged in the performance of said work; and

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained, and other good and valuable consideration received and to be received, the CONTRACTOR hereby agrees:

- To comply with all applicable laws, regulations, and rules promulgated by any Federal, State, County, Municipal and or other governmental unit or regulatory body now in effect during the performance of the work. By way of example, the following are included within the scope of the laws, regulations and rules referred to in this paragraph, but in no way to operate as a limitation on the laws, regulations and rules with which CONTRACTOR must comply, are all forms of Workers Compensation Laws, all terms of the Equal Employment Opportunity Clause of the Illinois Fair Employment Practices Commission, the Illinois Preference Act, the Social Security Act, Statutes relating to contracts let by units of government, all applicable Civil Rights and Anti-Discrimination Laws and Regulations, and traffic and public utility regulations.
- 2. To the fullest extent permitted by law, to waive any and all rights of contribution against AGENCY and to indemnify and hold harmless AGENCY and its officers, officials, employees, volunteers and agents from and against all claims, damages, losses and expenses, including, but not limited to, legal fees (attorney's and paralegal's fees, expert fees and court costs) arising out of or resulting from the performance of the CONTRACTOR's work, provided that any such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or injury to or destruction of property, other than the work itself, including the loss of use resulting therefrom, or is attributable to misuse or improper use of trademark or copyright protected material or otherwise protected intellectual property, to the extent it is caused in whole or in part by any wrongful or negligent act or omission of the CONTRACTOR, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable. Such obligation shall not be construed to negate, abridge or otherwise reduce any other right to indemnity which AGENCY would otherwise have. CONTRACTOR shall similarly, protect, indemnify and hold and save harmless, AGENCY, its officers, officials, employee, volunteers and agents against and from any and all claims, costs, causes, actions and expenses, including, but not limited to, legal fees, incurred

by reason of CONTRACTOR's breach of any of its obligations under, or CONTRACTOR's default of any provisions of the Contract. The indemnification obligations under this paragraph shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for CONTRACTOR or any subcontractor under Workers' Compensation or Disability Benefit Acts or Employee Benefit Acts.

- 3. To keep in force, to the satisfaction of AGENCY, at all times during the performance of any work referred to above, Workers Compensation and Employer's Liability Insurance, Commercial General Liability Insurance, and Automobile Insurance in at least the type and amounts as follows:
  - Workers' Compensation:.

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i. State:
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- ii. Applicable Federal (e.g., Longshoremen's): Statutory
- iii. Employer's Liability

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$1,000,000.00 Per Accident
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\$1,000,000.00 Disease, Policy Limit

\$1,000,000.00 Disease, Each Employee

b. Commercial General Liability:

\$2,000,000.00 General Aggregate

\$1,000,000.00 Products Completed Operations Aggregate \$1,000,000.00 Personal and Advertising Injury

\$1,000,000.00 Each Occurrence

50,000.00 Fire Damage (any one fire) 5,000.00 Medical Expense (any one person)

- Business Automobile Liability (including owned, non-owned and hired vehicles):
  - Bodily Injury:

\$1.000.000.00 Per Person

\$1,000,000.00 Per Accident

ii. Property Damage

\$1,000,000.00 Per Occurrence

iii. Umbrella Excess Liability:

\$2,000,000.00 over Primary Insurance

4. To have all policies of insurance purchased or maintained in fulfillment hereof name AGENCY as an additional insured thereunder and the CONTRACTOR shall provide AGENCY with Certificates of Insurance and applicable policy endorsement(s), executed by a duly authorized representative of each insurer, showing compliance with the insurance requirements set forth above. No such policy of insurance shall have a deductible or self-insurance retention amount in excess of \$5,000.00 per occurrence. All insurance shall be written on an "occurrence" basis rather than a "claims-made" basis. Failure of AGENCY to demand any certificate, endorsement or other evidence of full compliance with these insurance requirements or failure of AGENCY to identify a deficiency from evidence that is provided shall not be construed as a waiver of CONTRACTOR's obligation to maintain such insurance. The CONTRACTOR agrees that the obligation to provide the insurance required by these documents is solely its responsibility and that this is a requirement which cannot be waived by any conduct, action, inaction or omission by the AGENCY. Upon request, the CONTRACTOR will provide copies of any or all policies of insurance maintained in fulfillment hereof.

AGENCY shall have the right, but not the obligation, of prohibiting CONTRACTOR or any subcontractor from entering the project site until such certificates or other evidence that insurance has been placed in complete compliance with these requirements is received and approved by AGENCY.

Failure to maintain the required insurance may result in termination of this Contract at AGENCY's option.

- CONTRACTOR shall cause each consultant employed by CONTRACTOR to purchase and maintain insurance of the type specified above. When requested by the AGENCY, CONTRACTOR shall furnish copies of certificates of insurance evidencing coverage for each consultant.
- For any claims related to this contract, CONTRACTOR insurance coverage shall be primary
  insurance as respects the AGENCY, its officers, officials, employees, and volunteers. Any
  insurance or self-insurance maintained by the AGENCY, its officers, officials, employees, or
  volunteers shall be excess of the CONTRACTOR insurance and shall not contribute with it.
- 7. Nothing contained in this contract is to be construed as limiting the liability of the CONTRACTOR, the liability of any Subcontractor or any tier or either of their respective insurance carriers. The AGENCY does not, in any way, represent that the coverages or limits of insurance specified is sufficient or adequate to protect the AGENCY, or CONTRACTOR, but are merely minimums. The obligations of CONTRACTOR to purchase insurance shall not, in any way, limit its obligations to the AGENCY in the event that the AGENCY should suffer an injury or loss in excess of the amount recoverable through insurance, or any loss or portion of a loss which is not covered by FIRM's insurance.
- CONTRACTOR shall maintain commercial general liability (CGL) and commercial umbrella liability insurance with a limit of not less than limits outlined herein for at least three years following substantial completion of the work.
- 9. All insurance provided by CONTRACTOR shall be placed with insurers with a current A.M. Best's rating of no less than A: VII using the most recent edition of the A.M. Best's Key Rating Guide. If the Best's rating is less than A VII or a Best's rating is not obtained, AGENCY has the right to reject insurance written by an insurer it deems unacceptable.
- 10. All certificates shall provide for 30 days written notice to owner prior to the cancellation or material change of any insurance referred to therein written notice to AGENCY shall be certified mail, return receipt requested.
- 11. AGENCY reserves the right to modify these requirements herein, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstance.
- 12. CONTRACTOR hereby grants to AGENCY a waiver of any right to subrogation which any insurer of said CONTRACTOR may acquire against the AGENCY by virtue of the payment of

any loss under such insurance. CONTRACTOR agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the AGENCY has received a waiver of subrogation endorsement from the insurer.

- CONTRACTOR agrees to furnish any affidavit or Certificate in connection with the work covered by this agreement as required by law.
- 14. AGENCY may terminate this Agreement for cause upon 24 hours written notice of breach to CONTRACTOR and for convenience and without cause upon not less than seven days' written notice to CONTRACTOR. In the event of termination for other than cause, CONTRACTOR shall be compensated for services performed prior to termination (applying a pro-rata apportionment to the anticipated schedule of services) together with Reimbursable Expenses then due.
- 15. To the extent that the Prevailing Wage Act applies, CONTRACTOR agrees to pay and require every Subcontractor to pay prevailing wages as established by the Illinois Department of Labor for each craft or type of work needed to execute the contract in accordance with 820 ILCS 130/.01 et seq. The Illinois Department of Labor publishes the prevailing wage rates on its website at: https://www.illinois.gov/idol/Laws-Rules/CONMED/Pages/Rates.aspx CONTRACTOR is advised that the Department revises the prevailing wage rates and the CONTRACTOR has an obligation to check the Department's web site for revisions. The CONTRACTOR shall prominently post the current schedule of prevailing wages at the Contract site and shall notify immediately in writing all of its Subcontractors, of all changes in the schedule of prevailing wages. Any increases in costs to the CONTRACTOR due to changes in the prevailing rate of wage during the terms of any contract shall be at the expense of the CONTRACTOR and not at the expense of the Owner. The change order shall be computed using the prevailing wage rates applicable at the time the change order work is scheduled to be performed. The CONTRACTOR shall be solely responsible to maintain accurate records as required by the prevailing wage statute and to obtain and submit all such certified records to the Illinois Department of Labor Certified Transcript of Payroll Portal at https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/CertifiedTranscriptOfPayroll.aspx as required by Statute. CONTRACTOR shall furnish AGENCY confirmation that certified payroll was submitted. In lieu of certified payroll, CONTRACTOR shall submit a letter setting forth the basis upon which CONTRACTOR has concluded the Act does not apply. The CONTRACTOR shall be solely liable for paying the difference between prevailing wages and any wages actually received by laborers, workmen and/or mechanics engaged in the Work and in every way defend and indemnify the AGENCY against any claims arising under or related to the payment of wages in accordance with the Prevailing Wage Act.
- 16. The failure of the successful Bidder to enter into a Contract within ten (10) days after the Notice of Award or within such extended period as the AGNECY may grant shall constitute a default, and the AGENCY may either award the Contract to the next responsible, responsive Bidder or re-advertise for bids. A charge against the defaulting Bidder may be made for the difference between the amount of the bid and the amount for which a contract for the work is subsequently executed.
- CONTRACTOR agrees to maintain, without charge to the AGENCY, all records and documents

for projects of the AGENCY in compliance with the Freedom of Information Act, 5 ILCS 140/1 et seq. In addition, CONTRACTOR shall produce records which are responsive to a request received by the AGENCY under the Freedom of Information Act so that the Owner may provide records to those requesting them within the time frames required. If additional time is necessary to compile records in response to a request, then CONTRACTOR shall so notify the AGENCY and if possible, the AGENCY shall request an extension so as to comply with the Act. In the event that the AGENCY is found to have not complied with the Freedom of Information Act due to CONTRACTOR's failure to produce documents or otherwise appropriately respond to a request under the Act, then CONTRACTOR shall indemnify and hold the AGENCY harmless, and pay all amounts determined to be due including but not limited to fines, costs, attorneys' fees and penalties.

IT IS MUTUALLY UNDERSTOOD AND AGREED that the CONTRACTOR shall have the full control of the ways and means of performing the work referred to above and that the CONTRACTOR or its employees, representatives or subcontractors are in no sense employees of the AGENCY, it being specifically agreed that the CONTRACTOR bears the relationship of an independent contractor to the AGENCY.

	ull force and effect from the ch time as it is terminated by the AGENCY.	day of
PARK DISTRICT OF HIGHLAND PAR	< <name contractor="" of=""></name>	
Print Name	Print Name †	
Signature	Signature	
Title Date	Title Date	<u> </u>

### **SPECIFICATIONS**

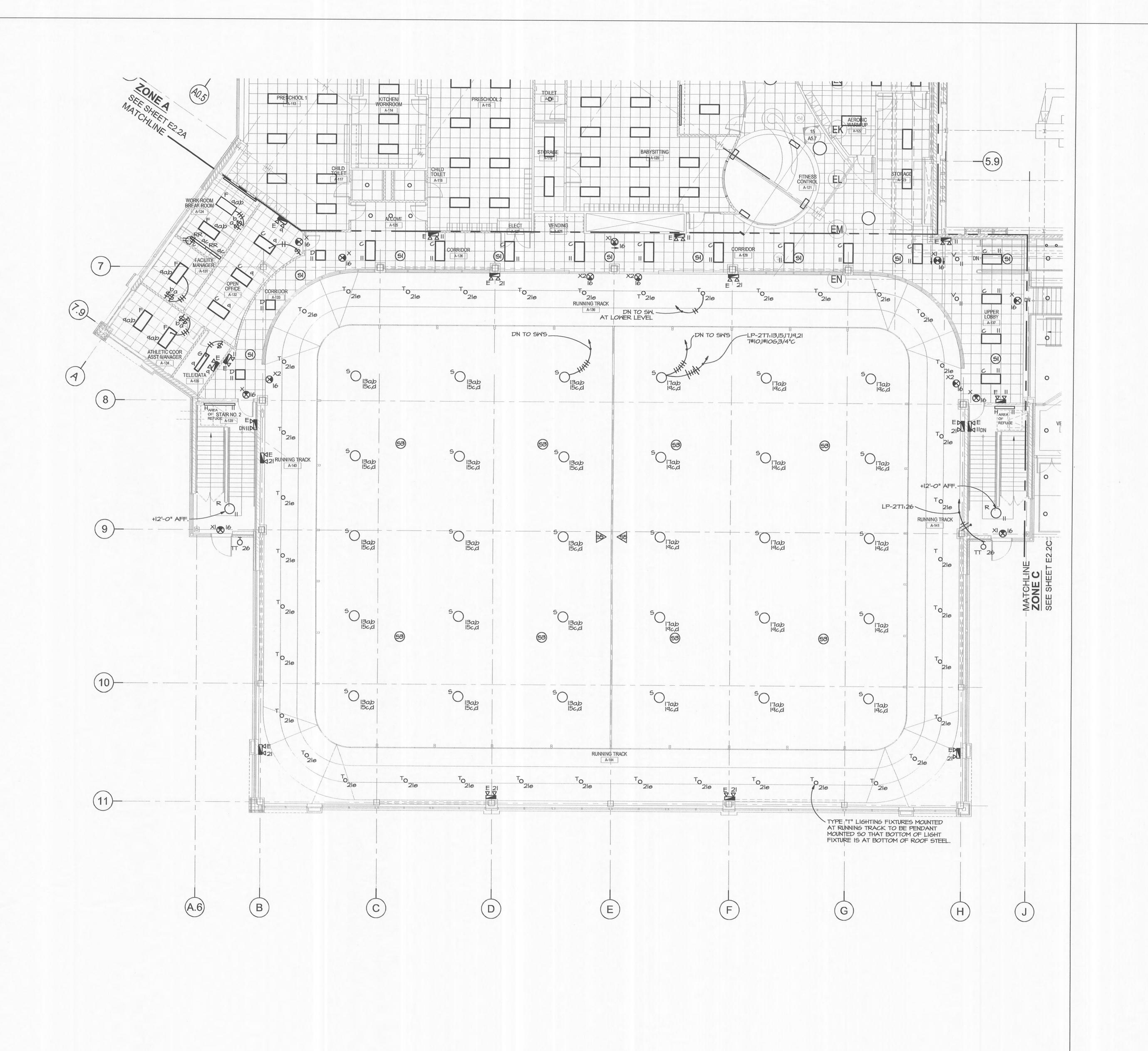
Material Specifications - Low - Profile High- Bay Luminaries, 100~277 VAC, with Dimmable option or approved alternative

Quantity – 30

Installation – Qualified labor, including certified electrician, and all necessary equipment to complete replacement of the 30 current 8-Lamp Fluorescent High Bay 42TRT fixtures with Low – Profile High- Bay Luminaries, 100~277 VAC, with Dimmable option or approved alternative.

### **List of Drawings**

No.	Title	Date
E2.2B	Upper Level Electrical	13 Feb 2004
2001-009	Lighting Plan	
E4.1	Electrical service diagram	13 Feb 2004
E4.2	Panel Schedule	13 Feb 2004
E4.3	Lighting Schedules	13 Feb 2004



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ENGINEERING, LLC

ENGINEERING, LLC

ENGINEERING, LLC

SS EAST SCULLY DRIVE
SCHAUMBURG, ILLINOIS 60193
PH. (847) 895-3840
WWW.WTENGINEERING.COM

IL. LICENSE NO.062-041405 EXPIRES 11/30/05

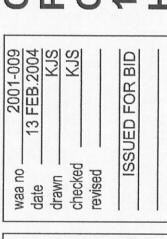
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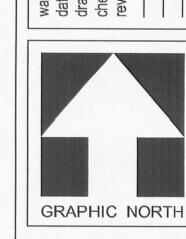
THE COPYRIGHT © 2004 W-T MECHANICAL ENGINEERS

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PH. (847) 895-3886
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CITY OF HIGHLAND PARK
PARK DISTRICT OF HIGHLAND PARK
COMMUNITY RECREATION CENTER
1201 PARK AVENUE WEST
HIGHIAND PARK II INCIS



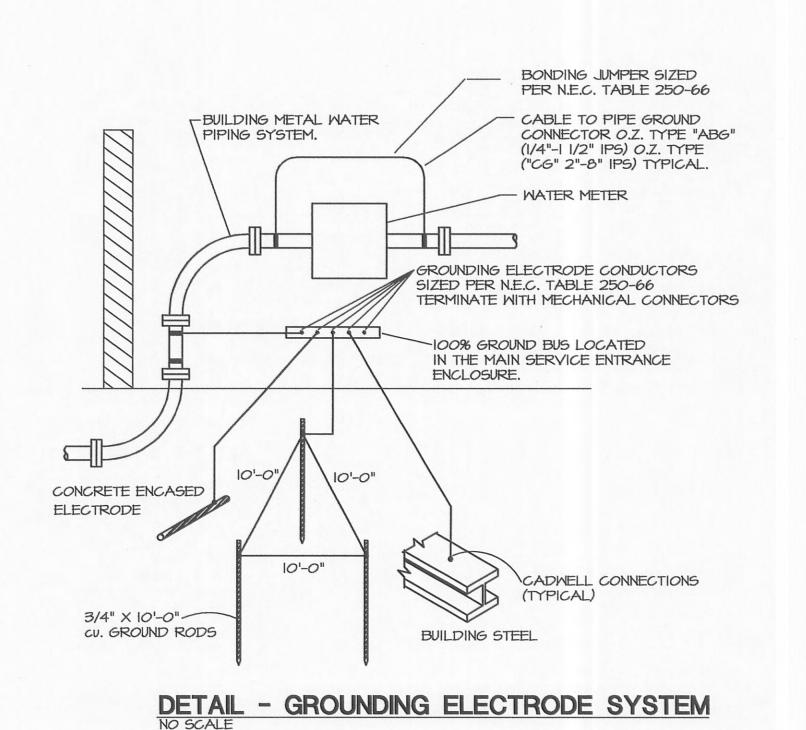


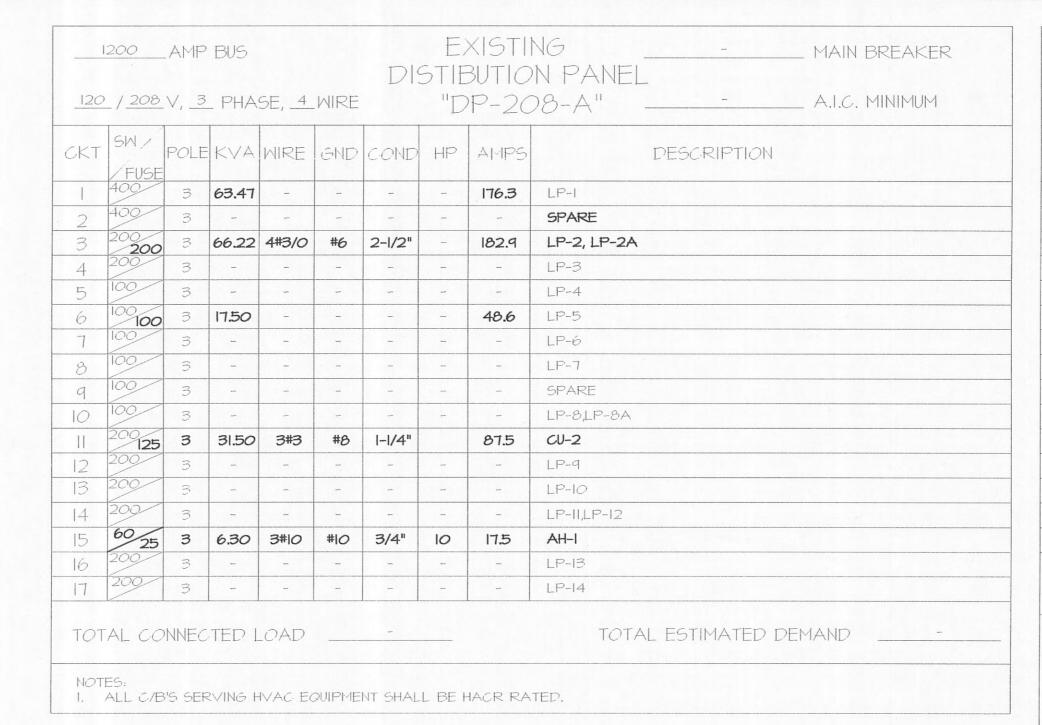
ARCHITECTS PLANNERS
OE. Gundersen Dr., Carol Stream, Illinois 60188





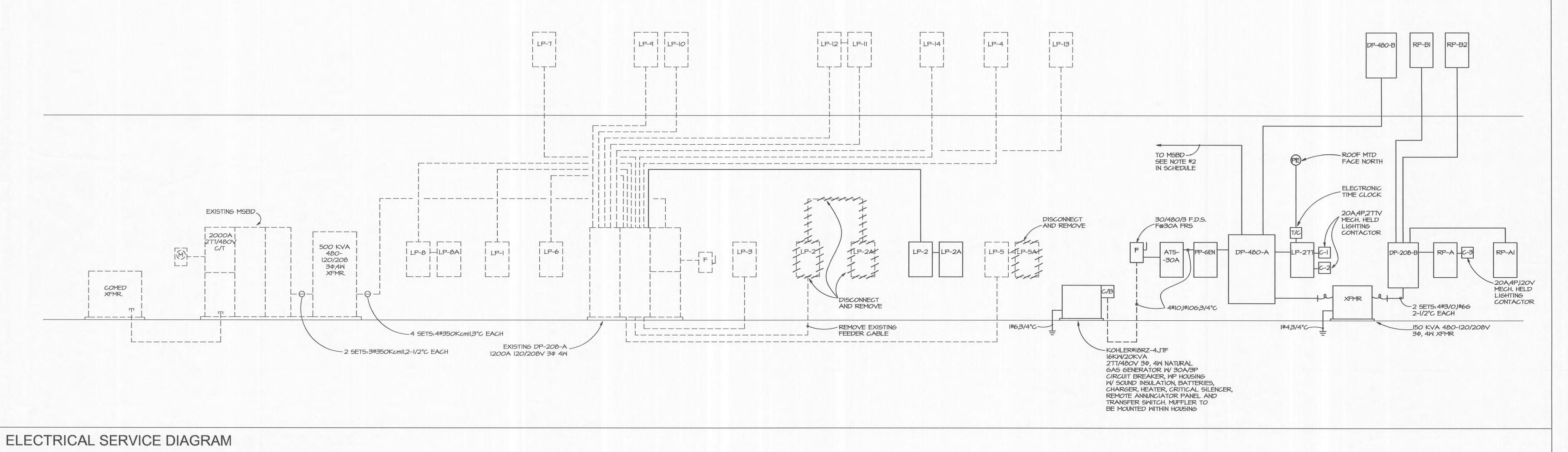
E2.2B





		- V ,	_ PHA	SE, 4	WIRE		1	'MSBI	A.I.C. MINIMUM
CKT	POLE	TRIP	KVA	WIRE	GND	COND	HP	AMP5	DESCRIPTION
1	3								2000A C/T COMPARTMENT
2	3	2000							2000A/3P MAIN BOLTED PRESSURE SWITCH W/GFI
3	3	600							500KVA XFMR
4	3	800	615.68	8#600	2#1/0	2-4"		640.1	DP-480-A (NOTE#2)
5	3	125							RTU-2
6	3	200							SPARE
7	3	125							RTU-I
8	3	200							SPARE
9	3	125							ELEVATOR
10	3	60	33.20	3#6	#10	In.	30	40.0	SERVICE ELEVATOR
	3	60							SPARE
12	3	30							SPARE
13	3	20							KITCHEN MAKE-UP AIR UNIT
14	3	30							SPARE
15	3	30							RTU-3

NEW 800A/3P CIRCUIT BREAKER. THIS WORK INCLUDES BUT NOT LIMITED TO REMOVING EXISTING SPARE CIRCUIT BREA RELOCATION OF EXISTING BREAKERS AS REQUIRED. E.C. TO PROVIDE OWNER SUBMETERING; INCLUDING BUT NOT LIMITED TO CURRENT TRANSFORMERS, METERS, ENCLOSURES AND ETC. TO METER THE NEW 800 AMPERE FEEDER TO DP-480-A. COORDINATE ALL WORK WITH OWNER/ARCHITECT.



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CITY OF HIGHLAND PARK

RUS

KUS

COMMUNITY RECREATION CENTER

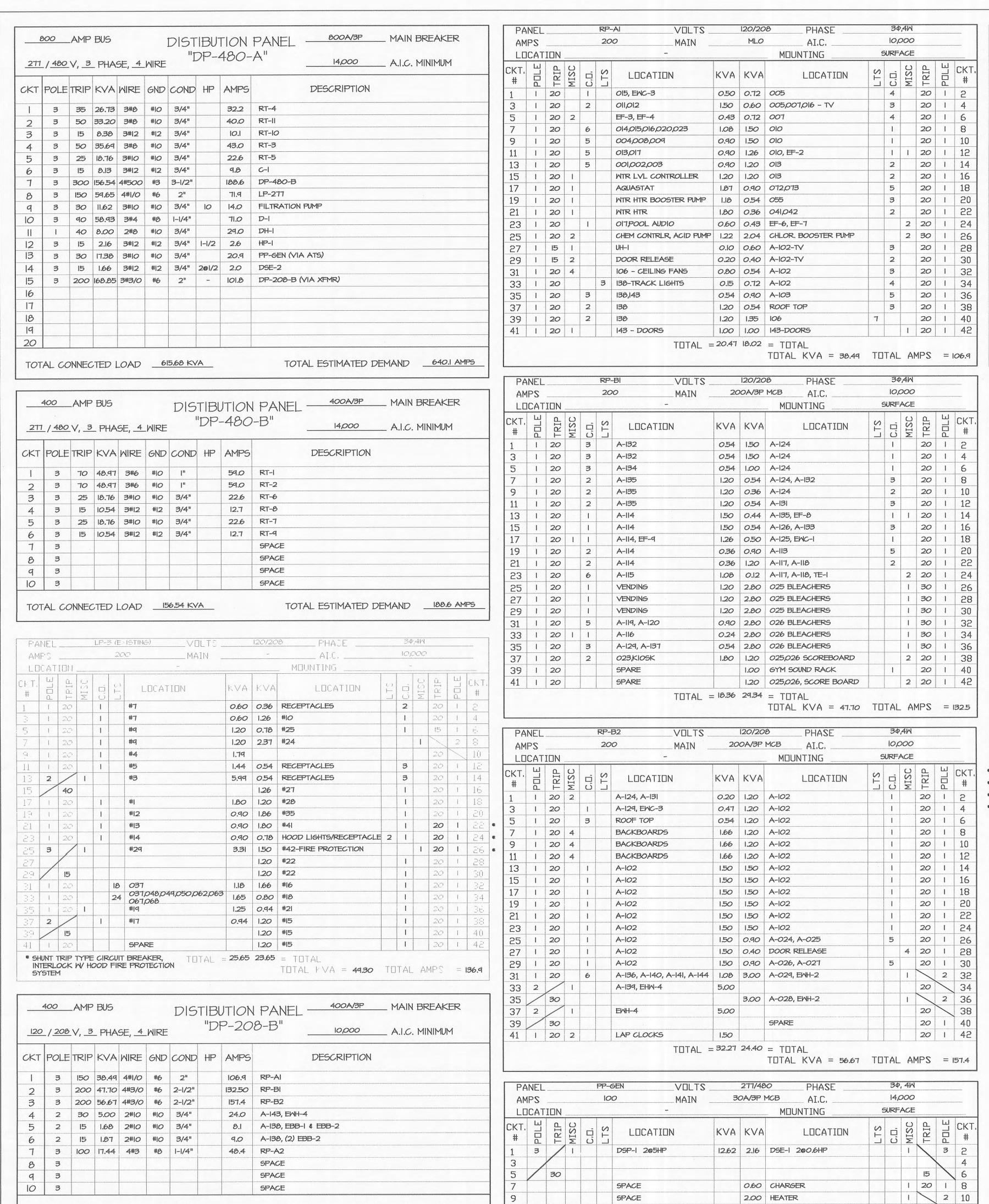
TOOT PARK AVENUE WEST

HIGHI AND PARK II I INDIS



MULLIAMS
ARCHITECTS PLANNERS
450 E. Gundersen Dr., Carol Stream, Illinois 60188
Phone 630-221-1220

E4.1



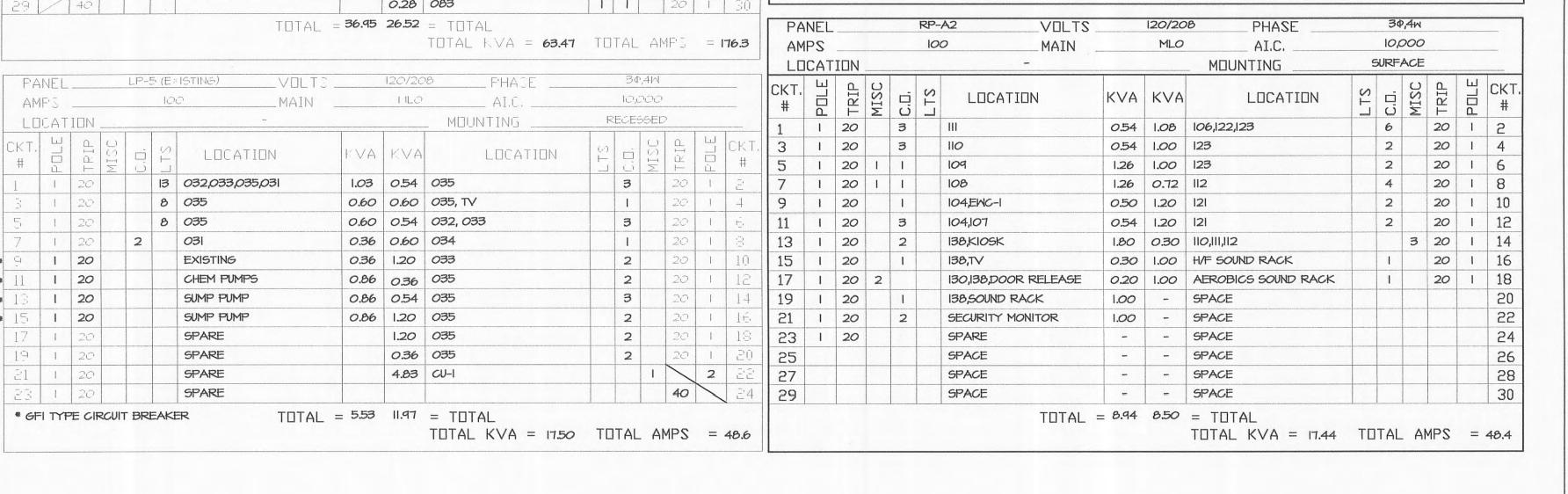
TOTAL ESTIMATED DEMAND 234.7 AMPS

SPACE

TOTAL = 12.62 4.76 = TOTAL

TOTAL KVA = 17.38 TOTAL AMPS = 20.9

PANEL	-	L	P-277 VOLTS		277/48	PHASE		30,41	٨			PA	VEL			LP-	YOLTS		120/20	8 PHASE		30, 4	N	
AMPS			200 MAIN		MLO	AI.C.		14,000	0			AMI	25			20	DO MAIN		MLO	AI.C.		10,00	0	
LOCAT	IDN_		_			MOUNTING	9	BURFAC	E			LO	CAT	ION .			-			MOUNTING	50	RFAC	E	
KT. 378	TRIP	MISC C.D.	LOCATION		KVA		LTS	C, D.	TRIP	POLE	CKT.	CKT.	POLE	TRIP	MISC	LTS		KVA	KVA	LOCATION	LTS	C.D.	TRIP	д Ш
1	20		6 102	3.49	4.22	003,005,007,010,014,055	49		20	1	2	1	ī	20				1.75	1.90	044, 056, 057	21		20	
1	20	I	3 102,105,121	3.16	3.42	001008011012015016	52		20	1	4	3	1	20		21	045	1.72	1.75	057	19		20	1
1	20	3	2 103,106,122,123	2.54	0.18	004 EMERGENCY LIGHTS	9		15	1	6	5	1	20		20	046,060,077,079	1.48	1.43	058, 074, 075, 076	18		20	1
1	20	3	8 104,108-112,116,119,120	2.89	3.45	004	10		20	1	8	7	1	20		19	061,078,086	1.55	1.20	059		1	20	1
1	20	4	3 107,113-115,117,118,124,131-135	3.25	3.45	004	10		20	1	10	9	1	20		13	EXIT SIGNS	0.26	1.20	059		1	20	1
1 1	20	5	6 125,126,129,133,137,139	2.62	3.54	004,009,013,017,054	11		20	1	12	11	1	20	6		045,057,078	1.08	1.20	059		1	20	1
3 1	20		5 025	2.45	0.63	EXIT SIGNS-LOWER LEVEL	21		15	1	14	13		20			058	1.20	1.20	059		1	20	1
5 1	20	1	5 025	2.45			27		15	1	16	15	-	20			077	1.20		059		1	20	1
7 1	20		5 026	2.45		143, 138 - NIGHT LIGHT	5		20	1	18	17		20	1		077	1.20	1.20	059		1	20	1
9 1	20		5 026	2.45	1.77	143, 138	15		20	1	20	19		30			045, HD-2	2.00		059, HD-I			30	
1 1	20		6   136,140,141,144	3.81	0.91	143, 138	7		20	i	22	21		30			045, HD-2	2.00		059, HD-I			30	
3 1	20		6 021,022,025,026,028,029	3.74	0.63	CANOPY	5		20	-	24	23		30	:		045, HD-2	2.00		058, HD-I			30	-
	20		SPACE	3.14	0.21	EXTERIOR BLDG LIGHTS	3		20	-	-		-	30	-		045, HD-2	2.00	-	058, HD-I			30	-
5			SPACE		0.21	SPACE			20		26	25			-		045, SUITE-MATE			057, HD-2				-
7	-		SPACE			SPACE	-				28	27	-	30	1			2.00	-				30	-
9							-				30	29		30	1	-	051, SUITE-MATE	2.00	-	057, HD-2		.   '	30	-
1			SPACE			SPACE	-				32	31		20	!		074	1.20				1	20	-
3			SPACE			SPACE	-				34	33		20		-	075	1.20	-	SPARE	-		20	-
5			SPACE		-	SPACE					36	35		20	4		037	0.72	-	SPARE			20	
7			SPACE			SPACE					38	37	1	20	1		079, DRYER	1.80	10.88	LP-2A SUBFEED			1	3
9			SPACE			SPACE					40	39	1	20	1		079, DRYER	1.80						/
1			SPACE			SPACE					42	41	1	20	5		061,079,048,067	0.90					100	
DANIEL		1 P-1	TOTAL :			= TOTAL TOTAL KVA = 59.75		and the state of t		= '	72.0		NICI.			P_		= 31.06		= TOTAL TOTAL KVA = 66.42		AL 4		=
PANEL					The state of the State of Stat	1 11 12							NEL	-				***************************************				10,00		
			400 MAIN		1.ILC			10,00					PS			10	MAIN		MLO	112101				
LOCAT	ION -		-		1	_ MOUNTING		SURFAC						ION			-			MOUNTING	91	IRFAC	E	
1.1	Û. E.	MISC C.D.	C) LOCATION		KVA			G.D. MT817	TRIP TRIP	POLE	CKT.	CKT.	POLE	TRIP	MISC	LTS	LOCATION	KVA	KVA		LTS	C, D,	TRIP	i
# H	1	1	TENT	27.00	15.60	HALFWAY HOUSE				2	2	1	1	20			SPARE		0.18			1	20	
T. 3									100		4	3	1	20			SPARE		0.18	168		1	20	
# 2										2	F	5	1	20			SPARE		3.00	166, EMH-2			1	
‡ 2	100				4.00	069, EWH-3				din	10		•											1
# 2	100	1	069	0.18	4.00	069, EMH-3			30	1	8	7					SPACE						20	1
‡ 2		1	069 084	0.18		069, EMH-3 084, EMH-1			30	2	8	7		20			SPACE SPACE		5.00	168, EMH-4		1	20	-
‡ 2	20	1 1				-			30	2	8 - 10 12	7 9							5.00	168, EMH-4		1	30	
# 2	<b>20</b>	1 1 1	084	1.20	2.00	084, EMH-I				2	8 10 12 14	7 9 11		20			SPACE			168, EMH-4 WASHER		1		\
3 3 7 <b>1</b> 9 1	<b>20</b>	1 1 1	084 083, EPP	0.86	2.00	084, EMH-I				2	8 10 12 14 16	7 9 11 13					SPACE SPACE					1		
3 3 7 <b>1</b> 9 1	20 20 20	1 1 1	084 083, EPP	0.86	2.00	084, EMH-I		1	1 15	2	8 10 12 14 16	7 9 11 13 15					SPACE SPACE SPACE					1	30	
3 3 5 7 <b>1</b> 9 1	20 20 20 15	1 1 1	084 083, EPP MA-I	0.86	2.00	084, EWH-I KE-I				2 3	8 10 12 14 16 18	7 9 11 13 15 17					SPACE SPACE SPACE SPACE SPACE			WASHER		1		
3 3 5 7 <b>1</b> 9 1	20 20 20 15 20	1 1 1	084 083, EPP MA-I SPARE	0.86	2.00	084, EWH-I KE-I			1 15	2	20 18	7 9 11 13 15 17					SPACE SPACE SPACE SPACE SPACE SPACE			WASHER		- 1	30	
3 3 5 7 <b>1</b> 9 1	20 20 20 15 20 20	1 1 1	O84 O83, EPP MA-I SPARE SPARE	0.86	2.00	084, EWH-I KE-I			15 15	2 3	18 20 22	7 9 11 13 15 17 19 21					SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE			WASHER		1	30	
3 3 5 7 <b>1</b> 9 1	20 20 20 15 20 20 20		O84 O83, EPP MA-I  SPARE SPARE SPARE	1.20 0.86 2.15	2.00	084, EMH-I  KE-I  EF-I			15 15 15	2 3	18 20 22 24	7 9 11 13 15 17					SPACE		2.52	WASHER FUTURE WASHER		1	30	
3 	20 20 20 15 20 20	1 1 1 1 1 2	O84 O83, EPP MA-I SPARE SPARE	0.86	2.00	084, EWH-I KE-I			15 15	2 3	18 20 22	7 9 11 13 15 17 19 21					SPACE	= 0.00	2.52	WASHER			30	



NOTES:

I. ALL C/B'S SERVING HVAC EQUIPMENT SHALL BE HACR RATED.

2. ALL C/B'S SERVING EM/NL LIGHTING SHALL HAVE LOCK-ON DEVICE.

3. ALL C/B'S USED FOR SMITCHING OF LIGHTS SHALL BE SMITCH DUTY RATED.

4. ALL BRANCH CIRCUITS SUPPLYING RECEPTACLES IN BEDROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERUPTER (NEC 210-12)

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GRAPHIC NORTH

E4.2

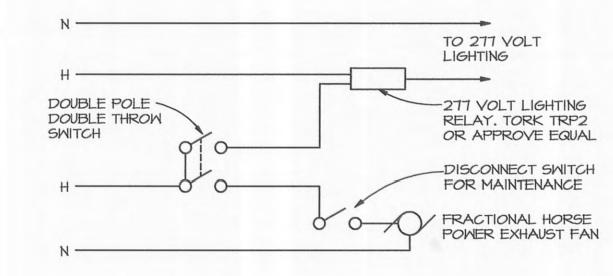
TOTAL CONNECTED LOAD 168.85 KVA

YPE			LAMPS	URE SCHED	VIII T	SPECIFIED MANUFACTURER
A	2'X4' FLUORESCENT LAY-IN,	QTY.	TYPE F32T8	CLG./PDLE-TYPE RECESSED	277	AND CATALOG NUMBER  LITHONIA #25P8-G-332AI2I25-277-I/3-GEBIOIS
П	PRISMATIC LENS		10210	NLOLSSLD	211	METALUX #2GP332A.I25-277-EB8I
В	2'X4' FLUORESCENT LAY-IN,	3	F32T8	RECESSED	277	LITHONIA #25P8-G-332AI2I25-277- GEBIOIS
С	PRISMATIC LENS  2'X4' FLUORESCENT LAY-IN,	3	F32T8	RECESSED	277	METALUX #2GP332A.I25-277-EB82  LITHONIA #2PM3N-GB-332-I8LD-277-I/3-GEBIOIS
L	PARABOLIC LOUVER	5	13210	RECESSED	211	METALUX #2EP3GAX3325-361-277-EB81
D	2'X2' FLUORESCENT LAY-IN,	3	FITT8	RECESSED	277	LITHONIA #2PM3N-GB-2U3I6-9LD-277- GEBIOIS
	PARABOLIC LOUVER					METALUX #2EP3GAX3I7S-33I-277-EB82
E	EMERGENCY BATTERY LIGHT	2	8W HALOGEN	SURFACE	120/	LITHONIA #6ELM2P-H SURE LITE #CC-6-WH
F	2'X4' FLUORESCENT LAY-IN,	3	F32T8	RECESSED	277	LITHONIA #2PM3N-GB-332-I8LD-2TT- GEBIOIS
	PARABOLIC LOUVER					METALUX #2EP3GAX3325-361-277-EB82
G	I'X4' FLUORESCENT WRAPAROUND	2	F32T8	SURFACE	277	LITHONIA #LB-232-277-GEBIO
Н	4'-0" 2 LAMP FLUORESCENT	2	F32T8	SURFACE	277	METALUX #WS232A-277-EB8I PEERLESS #CRW7-232-WHR-4FTR4-
•••	WALL BRACKET	_		50147.02		217-GEBIO-SCT-LP735-SCEP
						CORELITE #AWSP-2T8-I-C-2T7-4'
J	2 LAMP RECESSED STAGGERED	2		RECESSED	277	LITHONIA #WWW-D-2-ET8-277-PBL-
	STRIP WALL WASH W/ PARABOLIC			GYP. BD.		R-5G-ADJ-SLEEV NEORAY #16-218-579-277
K	2'X4' FLUORESCENT LAY-IN	3	F32T8	RECESSED	277	LITHONIA #2AV-G-332-MDR-277- GEBIOIS
	DIRECT/INDIRECT			PENDANT		METALUX #2RDI-332RP-277-EB8I
L	8'-0" FLUORESCENT INDUSTRIAL	4	F32T8	SURFACE/	277	LITHONIA #TLA-232-277-GEBIOIS
M	FLUORESCENT DOWN LIGHT	2	42TRT	RECESSED	277	METALUX #8T-IC-232-277-EB8I  LITHONIA #LGF-2/42TRT-I2RW-T73-277-GEBIO
						KIRLIN #RY81231-40
N	4'-0" FLUORESCENT STAGGERED STRIP	2	F32T8	SURFACE	120	LITHONIA #55-232-120-GEBIO
N1	8'-0" FLUORESCENT STAGGERED STRIP	4	F32T8	SURFACE	120	METALUX #SNL-232-120-EB81  LITHONIA #T55-232-120-GEB10
INT	O O I LUCINI STAGGERED STRIP	-	1 3210	JUNI ACE	120	METALUX #8T-SNL-232-I20-EB8I
N2	2'-0" FLUORESCENT STAGGERED STRIP	2	FITT8	SURFACE	120	LITHONIA #55-217-120-GEBIO
						METALUX #5NL-2I7-I2O-EB8I
P1	16'-0" FLUORESCENT DIRECT/INDIRECT	12	F32T8	PENDANT	277	PEERLESS #IOCRM7-332-WHR-I6FT- R8-277-GEBIO-SCT-LP735
						CORELITE #AP-W-3T8-I-C-277-A-C-48"-ST-I6'
P2	40'-0" FLUORESCENT DIRECT/INDIRECT	30	F32T8	PENDANT	277	PEERLESS #IOCRM7-332-WHR-40FT-
						RI2-277-GEBIO-SCT-LP735
P3	44'-0" FLUORESCENT DIRECT/INDIRECT	33	F32T8	PENDANT	277	CORELITE #AP-W-3T8-I-C-277-A-C-48"-ST-40' PEERLESS #IOCRM7-332-WHR-44FT-
13	THE TECONESCENT DIRECT/INDIRECT	55	13210	TENDAN	211	RI2-277-GEBIO-SCT-LP735
						CORELITE #AP-W-3T8-I-C-277-A-C-48"-ST-44"
P4	56'-O" FLUORESCENT DIRECT/INDIRECT	42	F32T8	PENDANT	277	PEERLESS #IOCRM7-332-WHR-56FT-
						RI2-277-GEBIO-SCT-LP735
Q	FIBER OPTIC LIGHTING	1	I5OW MH	RECESSED	120	SUPERVISION INTERNATIONAL #SVI500-40GA-120-
						85-SB-N W16#SV.SL503#SV.25EG ENDGLOW CABL
R	FLUORESCENT PENDANT	3	39W	PENDANT	277	LAM #0R35-3/39-1/282D-0-50-24"-SBN/SBN-277
S	FLUORESCENT HIGH BAY	8	282D 42TRT	PENDANT	277	SHARPER #4945-34-CF4/39-277-IS  SPORTLITE #LX800-T42-2IAL-
3	W WIREGUARD & SAFETY CABLE	0	TZIKI	PENDANI	211	277-PEN-4SL-WG-SC
						U.S.LIGHTING #PDM-9/36BX-277-ERS-AML
T	COMPACT FLUORESCENT CYLINDER	2	42TRT	SURFACE/	277	PEACHTREE #PCTS-I2242-277E-RF
V	FLUORESCENT DOWNLIGHT	2	42TRT	PENDANT	277	KIRLIN #SR81234  LITHONIA #AF-2/42TRT-IOAR-277-GEBIO
						PORTFOLIO #C7142-E-7150LI
W	HID INDIRECT W REMOTE BALLAST	1	400 MH	SURFACE	277	LAM #H-AA-158-WL-R-400MH-SGW-277-GLR
X	EXIT SIGN	_	LED	RECESSED/	120/	SPI #EDR 3603 LITHONIA #LRP-XRM-XX- 120/277-ELN
^	LATT SION		LLV	SURFACE	277	SURELITE #ELX-7-I-70
X1	EXIT SIGN	-	LED	SURFACE	120/	LITHONIA #LQM-SW-3R- 120/277-ELN
V0	Truly class				277	SURELITE #CCX-7-
X2	EXIT SIGN	-	LED	SURFACE	120/	LITHONIA #LV-SM-X-R-20/277-ELN-UM  SURELITE #CCX-7- WGIO
Υ	NOT USED				211	
7	SIVALE HODES SELE		150.00	or home t		
Z	2'X4' FLUORESCENT	3	F32T8	SURFACE	120	LITHONIA #2M-332-AI2I25- I2O-GEBIOIS
AA	FLUORESCENT DOWNLIGHT	2	32TRT	RECESSED	277	LITHONIA #AF-2/32TRT-8AR-277-GEBIO
						PORTFOLIO #C9232-E-9250LI
ВВ	FLUORESCENT DOWNLIGHT	2	26TRT	RECESSED	277	LITHONIA #AF-2/26TRT-8AR-277-GEBIO
CC	INCANDESCENT MALL MACLES	1	TEM IO	the character	07-	PORTFOLIO #C6226-E-6250LI
CU	INCANDESCENT WALLWASHER	1	75W 12V MRI6 NSP	RECESSED	277	HALO #H7LVT-24I2W
DD	2'X4' FLUORESCENT LAY-IN	4	40MBX	RECESSED	120	MARK LIGHTING #POR-24G-440MBX-EB-120
	DIRECT/INDIRECT					
EE	FLUORESCENT DOWN LIGHT	2	42TRT	RECESSED	120	LITHONIA #LGF-2/42TRT-12RW-T73-120-GEBIO
FF	FLUORESCENT DOWNLIGHT	2	32TRT	RECESSED	120	KIRLIN #RV81231-40  LITHONIA #AF-2/32TRT-8AR-120-6EBI0
•		-	3-1131		120	PORTFOLIO #C9232-E-9250LI
GG	FLUORESCENT DOWNLIGHT	2	26TRT	RECESSED	120	LITHONIA #AF-2/26TRT-8AR-I20-GEBIO
1.11.1	Fluorica					PORTFOLIO #C6226-E-6250LI
HH	FLUORESCENT DOWNLIGHT	2	42TRT	RECESSED	120	LITHONIA #AF-2/42TRT-IOAR-I2O-GEBIO PORTFOLIO #C7142-E-7150LI
JJ	2 LAMP RECESSED STAGGERED	2	F32T8	RECESSED	120	PORTFOLIO #CTI42-E-TI50LI  LITHONIA #WWW-D-2-ET8-I20-PBL-
	STRIP WALL WASH W PARABOLIC			GYP. BD.		R-SG-ADJ-SLEEV
1415						NEORAY #16-2T8-579-277
KK	2'X4' FLUORESCENT LAY-IN	3	F32T8	RECESSED	120	LITHONIA #2AV-G-332-MDR-I2O-GEBIOIS
LL	DIRECT/INDIRECT  2'X4' FLUORESCENT LAY-IN,	3	F32T8	RECESSED	120	METALUX #2RDI-332RP-120-EB61 LITHONIA #25P8-G-332AI2I25-I20-1/3-GEBI0I5
	PRISMATIC LENS					METALUX #26P332A.125-120-EB81
_		2	F32T8	RECESSED	120	LITHONIA #2PM3N-GB-332-18LD-120-1/3-GEBIOIS
ММ	2'X4' FLUORESCENT LAY-IN,	3	13210	RLULSSLD	120	

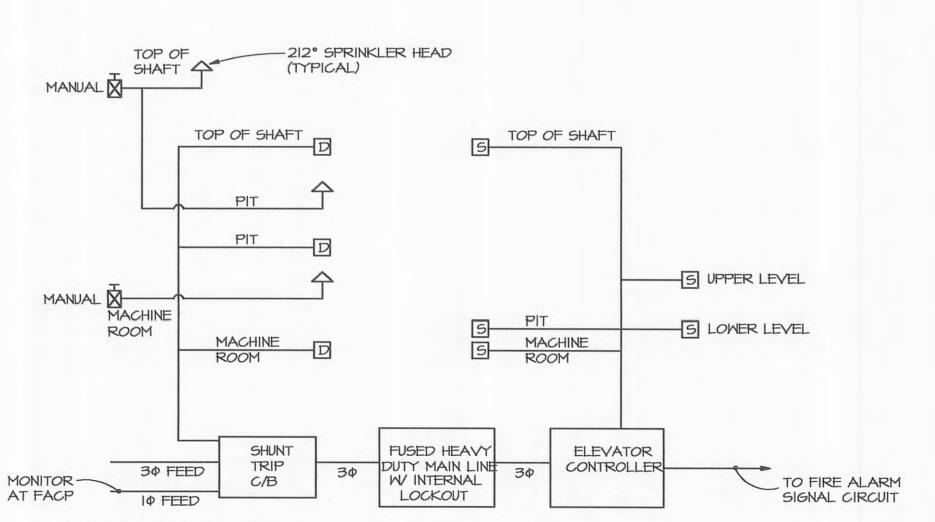
		GHTING FIXT		MOUNTING	T	SDECIETED MANUEACTURED
TYPE	DESCRIPTION & FEATURES	QTY.	TYPE	CLG./POLE-TYPE	VOLT	SPECIFIED MANUFACTURER AND CATALOG NUMBER
NN	I'X4' FLUORESCENT WRAPAROUND	2	F32T8	SURFACE	120	LITHONIA #LB-232-I20-GEBIO
						METALUX #M5232A-I20-EB82
PP	8'-0" FLUORESCENT INDUSTRIAL	4	F32T8	SURFACE/	120	LITHONIA #TLA-232-120-GEBIOIS
				PENDANT		METALUX #8T-IC-232-I20-EB82
S QQ	2'X2' FLUORESCENT LAY-IN	2	40MBX	RECESSED	120	MARK LIGHTING #POR-226-240MBX-EB-120
	DIRECT/INDIRECT					
RR	UNDERCABINET LIGHT	2	FI3T5	SURFACE	277	LITHONIA #UC-42-E-277
SS	NOT USED					
TT	HID MINI WALL-PACK	1	50MH	SURFACE	277	LITHONIA #TWA-50M-277-PE
	W PHOTOCELL					
UU	WALL BRACKET - OUTDOOR	1	42TRT	SURFACE	120	LITHONIA #TWL-42TRT-120-TWLMB
VV	TRACK LIGHTS	4	75 PAR 16	SURFACE	120	LITHONIA #(4) LTC-GMBR-PARI6-WH
						W#LTI2 TRACK & ACCESSORIES
- WW	TRACK LIGHTS (LOW VOLTAGE)	3	50MRI6	SURFACE	120	BRUCK TAKATO 75/300 (3) #2204 5CH
						WVIA TRACK#160033-CH, XFMR AND ACC
XX	CEILING FAN	-	-	PENDANT	120	GRAINGER #4C72I-WHITE
YY	HID DOWNLIGHT	1	IOOMH	RECESSED	277	LITHONIA #LGHZ-100M-9RW-FFL-277
ZZ	HID DOWNLIGHT		IOOMH	RECESSED	277	LITHONIA #AH-IOOM-BAR-277

### NOTES:

- I. VERIFY TYPE OF CEILING OR WALL FOR ALL RECESSED LIGHTING FIXURES PRIOR TO ORDERING.
- 2. ALL FLUORESCENT BALLAST(S), INCLUDING BALLASTS FOR PL LAMPS, SHALL BE OF THE ELECTRONIC TYP, U.L. APPROVED WITH MAXIMUM IO% THD AND CLASS "P" THERMAL PROTECTION AND CLASS "A" SOUND RATING.
- 3. PROVIDE ALL ADDITIONAL HARDWARE FOR FIXTURE MOUNTING AS REQUIRED AT NO
- 4. ALL WIRE WITHIN (3) THREE INCHES OF BALLASTS SHALL BE RATED A MINIMUM OF 90°C.
- 5. MINIMUM LENS THICKNESS TO BE .125 INCHES, WHERE LENSES ARE USED.
- 6. THE FIXTURE SCHEDULE DOES NOT NECESSARILY LIST ALL ACCESSORIES AND HARDWARE NECESSARY FOR THE COMPLETION OF INSTALLATION, NOR DOES IT DETAIL THE CEILING CONSTRUCTION TO BE ENCOUNTERED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY DETERMINE AND PROVIDE CORRECT COMPONENTS, ACCESSORIES, AND HARDWARE AS REQUIRED FOR THE INSTALLATION.
- 7. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL DRAWINGS AND CEILING CONTRACTOR
- 8. ALL FLUORESCENT LAMPS SHALL BE T-8, 3500K., UNLESS OTHERWISE INDICATED,
- 9. ALL BATTERY BACK-UP EMERGENCY LIGHT AND EXIT SIGN LIGHTING FIXTURES INDICATED SHALL HAVE BATTERY BACK-UP RATED FOR 2 HOURS MINIMUM.



### CONTROL DIAGRAM FOR 120V. FAN WITH 277V. LIGHTING NOT TO SCALE



THERE SHALL BE SMOKE DETECTORS AT THE TOP OF THE ELEVATOR SHAFT AND IN THE ELEVATOR MACHINE ROOM. THESE SMOKE DETECTORS SHALL BE ON A SEPARATE ALARM ZONE (ELEVATOR SMOKE).

THESE SMOKE DETECTORS AND/OR ANY OTHER FIRE ALARM ZONES IN AN ALARM CONDITION SHALL SEND ELEVATORS TO THE MAIN ELEVATOR RECALL FLOOR. IF THE SMOKE DETECTOR LOCATED IN THE ELEVATOR LOBBY OF THE MAIN RECALL FLOOR IS IN THE ALARM CONDITION, THE ELEVATOR SHALL GO TO THE ALTERNATE RECALL FLOOR. ALTERNATE RECALL FLOOR SHALL BE AS DIRECTED BY THE LOCAL FIRE DEPARTMENT.

ELEVATOR RECALL OPERATION

FULLY SPRINKLERED BUILDING FIRE ALARM SYSTEM OPERATION

ALSO, AT EACH SPRINKLER HEAD LOCATION AT THE TOP OF THE ELEVATOR SHAFT AND ELEVATOR MACHINE ROOM, THERE SHALL A FIXED TEMPERATURE HEAT DETECTOR ON A SECOND, SEPARATE ALARM ZONE

CROSS ZONING OF THE ELEVATOR SMOKE ZONE AND THE ELEVATOR HEAT ZONE SHALL, WHEN BOTH ARE IN ALARM, CAUSE THE SHUT DOWN OF ELEVATOR POWER TO THE EFFECTED ELEVATORS AND OPENING OF THE PRE-ACTION VALVE FOR THE SPRINKLER HEADS IN THESE LOCATIONS. ONLY AFTER THE ELEVATORS ARE RECALLED TO THE PRIMARY OR ALTERNATE RECALL FLOOR WILL THE POWER FOR THE ELEVATORS BE SHUT DOWN AND THE PRE-ACTION VALVE FOR THE SPRINKLER HEADS ACTIVATE.

WITH REGARDS TO SPRINKLERS, HEADS INSTALLED IN ELEVATOR PITS, THESE SPRINKLER HEADS SHALL NOT BE RESTRAINED FROM OPERATION AND NO HEAT DETECTORS OR CROSS ZONING WILL BE REQUIRED.

FIRE ALARM SYMBOLS FACP FIRE ALARM CONTROL PANEL (FACP) AND ANNUNCIATOR WITH REMOTE 24 HOUR TELEPHONE MONITORING FIRE ALARM SYSTEM DUAL ACTION PULL STATION (+48"AFF) (MOUNT WITHIN 5 FT. OF DOOR) FIRE ALARM SYSTEM HORN & STROBE LIGHT (AUDIO-VISUAL ALARM) - 80" A.F.F. VISUAL STROBE SIGNAL 100 CANDELA STROBE-24VDC(+80"AFF) COMBINATION SMOKE/HEAT DETECTOR MIN. 3FT FROM SUPPLY VENT. HEAT DETECTOR. 135 DEGREE RATE OF RISE HEAT DETECTOR, FIXED TEMPERATURE(190 DEGREES) DUCT TYPE, SMOKE DETECTOR FAN SHUT-DOWN RELAY SOLENOID VALVE, BY DIVISION 15. WIRED BY E.C. SPRINKLER ALARM FLOW SWITCH, BY DIVISION 15. WIRED BY E.C. SPRINKLER ALARM TAMPER SWITCH, BY DIVISION 15. WIRED BY E.C. END OF LINE RESISTOR MAGNETIC DOOR HOLD DEVICE KNOX BOX NOTE: FIRE ALARM SYSTEM SHALL BE ZONED PER NFPA CODE, NON-CODED, CONTINUOUS SOUNDING, UL LISTED, WITH SERIES BATERIES. MINIMUM WIRE TWO CONDUCTOR INSULATED #14 AWG.TWISTED PAIR, MINIMUM 3/4" CONDUIT. SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION. INSTALL ALL DEVICES PER LOCAL CODE, VERIFY PRIOR TO INSTALLATION. FIRE ALARM DEVICES TO BE WIRED TO FACP SHALL BE ZONED TO ACCEPT DUCT SMOKE DETECTORS, PULL STATIONS, HORNS, VISUALS, FLOW SWITCHES, TAMPER SWITCHES, AND BELLS. VERIFY AND COORDINATE IN FIELD. PROVIDE AND INSTALL CONDUIT AND WIRING AS REQUIRED FOR

MOTOR TYPICAL DUCT SMOKE DETECTOR ZONE STARTER TOP OF ELEV. SHAFT EOL H V H V H TYPICAL STATION /DETECTOR ZONE TYPICAL SIGNAL CIRCUIT ANSUL SYSTEM FACP \_\_\_ 3/4"C. TO "TTB" FOR

TELEPHONE CONNECTION

120V. SOURCE PANEL

CONNECT FACP TO TELEPHONE TERMINAL CABINET.

PRIOR TO BIDDING.

E.C. SHALL VERIFY EXACT QUANTITY OF FIRE ALARM DEVICES

FIRE ALARM RISER NOTES:

I. FOR QUANITY AND LOCATION SEE FLOOR PLANS.

2. ALL CONDUCTORS SHALL BE #14AWG. UNLESS OTHERWISE INDICATED. SEE SPEC SECTION 16721-3.2-D-MIN. SIZE CONDUIT - 1/2"

3. MANUFACTURER OF FIRE ALARM SYSTEM SHALL DETERMINE ALL ZONES REQUIRED & WORK UP ZONE SCHEDULE FOR OWNER

DIAGRAM - FIRE ALARM RISER NOT TO SCALE

SEQUENCE OF OPERATION

I. SMOKE DETECTOR ACTIVATES SENDING ELEVATOR INTO RECALL TO MAIN FLOOR OR ALTERNATE

2. I35° HEAT DETECTOR IN THE SHAFT OF MACHINE ROOM ACTIVATES TO SHUNT TRIP

3. 212° SPRINKLER OPENS TO ALLOW WATER TO FLOW. PROVIDE MANUAL SHUT OFFF VALVE ON LINE OUTSIDE OF SHAFT AND MACHINE ROOM.

> DIAGRAM - ELEVATOR SHUT DOWN NOT TO SCALE

# **ELECTRICAL SYMBOLS**

FLUORESCENT LIGHT FIXTURE. CAPITAL LETTER DENOTES FIXTURE TYPE, NUMERAL INDICATES CIRCUIT ASSIGNMENT, SUBSCRIPT LETTER DENOTES SWITCH LEG. SHADING OF ANY FIXTURE INDICATES CIRCUITED TO UNSWITCHED EMERGENCY/ NIGHT LIGHT CIRCUIT. SEE "LIGHTING FIXTURE SCHEDULE."

EXIT SIGN UNIVERSIAL MOUNT SHADED AREA INDICATES FACE, ARROWS AS REQUIRED. SEE "LIGHTING FIXTURE SCHEDULE."

LIGHTING FIXTURE OUTLET - SEE "LIGHTING FIXTURE SCHEDULE."

SELF CONTAINED EMERGENCY LIGHTING FIXTURE, WITH BATTERY BACK-UP AND SOLID STATE CHARGER

SINGLE POLE TOGGLE SWITCH-48"AFF-SUBSCRIPT LETTER DENOTES SWITCH LEG-HUBBELL #12211-20 AMP-120 VOLT THREE WAY TOGGLE SWITCH-48"AFF-HUBBELL #12231-20 AMP-120 VOLT

MANUAL SINGLE PHASE MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION. "P" DENOTES DEVICE FURNISHED WITH PILOT LIGHT.-48"AFF-UNLESS INDICATED OTHERWISE

FAN SPEED SWITCH, I5A, I2OV

MOMENTARY CONTACT SWITCH, SPDT, CENTER OFF DIMMER SWITCH

ISOLATED GROUND DUPLEX RECEPTACLE

NON FUSED SAFETY SWITCH-RATING AS INDICATED

DUPLEX RECEPTACLE-NEMA 5-20R, HUBBELL #53621-15"AFF

DUPLEX RECEPTACLE CROSS LINE DENOTES 6" ABOVE SPECIAL PURPOSE RECEPTACLE NEMA CONFIGURATION AS REQUIRED BY MANUFACTURERS EQUIPMENT. VERIFY CONDUIT, CONDUCTOR AND BISCENEEZEPRAULE BREAKTE BERUTES ERISTED PROJECTION. CIRCUIT INTERRUPTER "GFCI". NEMA 5-20R HUBBELL #GF53521

DOUBLE DUPLEX RECEPTACLE

LIGHTING & OR POWER PANEL.

MOTOR

3-PHASE COMBINATION MAGNETIC STARTER WITH NEMA SIZE INDICATED. BY E.C.

FUSED DISCONNECT SWITCH-SWITCH AND FUSE RATING AS INDICATED.

PHOTO ELECTRIC CONTROL, ROOF MOUNTED

CONDUIT ROUTED CONCEALED IN CEILING OR WALL CONSTRUCTION. (CROSS LINES DENOTE NUMBER OF WIRES.)

CONDUIT ROUTED EXPOSED, PARALELL OR PERPENDICULAR

CONDUIT ROUTED CONCEALED IN CONCRETE FLOOR SLAB OR UNDERGROUND. AUXILLARY JUNCTION BOX FILLED WITH FLEXIBLE CONDUIT

CONNECTION.

HOME RUN TO PANELBOARD -CONDUIT -NEUTRAL CONDUCTOR ---PHASE CONDUCTORS -EQUIPMENT GROUND ISOLATED GROUND

> TELEPHONE OUTLET-W/ 3/4" CONDUIT STUB ABOVE CEILING. VOICE/DATA SYSTEM OUTLET W/ I" CONDUIT STUB ABOVE CEILING.

CLOSED CIRCUIT VIDEO CAMERA

CLOSED CIRCUIT VIDEO MONITOR, SWITCHER & DIGITAL RECORDER

PAGING SPEAKER "ATLAS"# FAP42T WITH BACKBOX

PAGING SPEAKER "ATLAS"# FAP62T WITH BACKBOX

PAGING SPEAKER "ELECTRO VOICE"# SX300PI

WITH MB200 BRACKETS PAGING SPEAKER"ATLAS"# SM52T WITH BACKBOX

PAGING SPEAKER "ATLAS"#FAP-SUB

PAGING HORN/SPEAKER TOA CS-154

CEILING SPEAKER "QUAM"#CIOX WITH BACKBOX

JUNCTION BOX WITH 3/4"C STUB UP FOR LOCAL VOLUME CONTROL

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