

EXHIBIT C

CONSTRUCTION WORK ORDER NO. 2

1. This Construction Work Order No. 2 ("Construction Work Order"), executed between NORESKO and Customer and dated _____, is issued pursuant to Section 1(a) of the Energy Services Agreement ("ESA") dated July 29, 2022, between NORESKO and Customer.
2. The terms applicable to this Construction Work Order are set forth in the ESA and include all attachments referenced in the ESA.
3. Customer hereby requests that NORESKO complete the Construction Work described in this Construction Work Order and NORESKO agrees to complete the Construction Work described in this Construction Work Order.
4. Customer hereby acknowledges that this Construction Work Order constitutes a valid Notice to Proceed issued by the Customer for the work discussed herein.

By signing below, the Parties agree to the terms of this Construction Work Order.

NORESKO, LLC

Signature: _____

Printed Name: Mark Lonkevych

Title: Senior Vice President – General Manager

Date: _____

City of Hollywood, Florida,
a municipal corporation of the State of Florida

By: _____
Josh Levy, Mayor

ATTEST:

Patricia A. Cerny, MMC
City Clerk

APPROVED AS TO FORM

Damaris Henlon, Interim City Attorney

ATTACHMENT A

PROPERTY DESCRIPTION

#	Name	Address	Square Footage
1	MLK Community Center	2400 Charleston Street	18,815
2	Oak Lake Community Center	3190 North 56th Avenue	1,566
3	Driftwood Community Center	3000 North 69th Avenue	9,141
7	Boulevard Heights Community Center	6770 Garfield Street	9,948
8	Kay Gaither Community Center	6291 Funston Street	5,676
10	Washington Park Community Center	5199 Pembroke Road	11,133
12	Rotary Park	3150 Taft Street	5,537
13	David Park (Barry University) Community Center	108 North 33Rd Street	6,681
15	ArtsPark Arts Building	1 Young Circle	12,293
18	Fred Lippman Community Center	2030 Polk Street	15,562
20	Garfield Community Center	300 Connecticut Street	6,039
21	Hollywood Beach Community Center	1301 South Ocean	16,985
22	City Hall	2600 Hollywood Boulevard	69,886
23	West Annex (Taft Street Office)	6197 Taft	5,377
24	DCM Building	2207 Raleigh Street	2,787
25	Public Utilities Shop/Admin	1715 North 21St Avenue	6,786
26	Public Utilities Offices	1715 North 21St Avenue	3,750
27	Public Utilities Warehouse/Shop	1801 North 21St Avenue	28,011
28	Police Athletic League / Boggs East Field	2300 North 23Rd Avenue	8,209
29	Fire Station #5	1819 North 21St Avenue	11,037
30	Fire Maintenance	3400 North 56Th Avenue	15,275
32	Fire Training Building	3400 North 56Th Avenue	11,236
33	Fire Station #74	2741 Stirling Road	47,188
34	Fire Station #31	3401 Hollywood Boulevard	9,824
36	Fire Station #105	1511 South Federal Highway	10,376
38	Fire Station #40 Parking Garage	707 South Ocean	36,289
39	South 20th Parking Garage	251 South 20Th Avenue	23,040
40	Radius Parking Garage	250 North 19Th Avenue	214,324
41	Boggs West Field	2310 North 23Rd Avenue	n/a
42	Jefferson Park	1501 Jefferson St	n/a
43	Stan Goldman Park	800 Knights Road	n/a
44	Hollywood West	6770 Garfield St	n/a

ATTACHMENT B

SCOPE OF SERVICES

DESCRIPTION OF THE ENERGY EFFICIENCY MEASURES AND THE EQUIPMENT

The following is a brief description of the ECMs and related equipment to be installed by NORESKO at the Property.

ECM 1: Interior & Exterior LED Lighting / ECM 2: LED Lighting Occupancy Sensors / ECM 4: LED Court Lighting

NORESCO shall provide labor, materials and equipment to install new lighting fixtures, retrofit existing lighting fixtures, and install occupancy sensors as identified in the line-by-line audit. NORESKO shall procure the new court lighting fixtures with compatibility to accept Ubicquia nodes. Ubicquia nodes shall be provided by the Customer. Because the Ubicquia nodes are being provided by the customer, NORESKO will not provide an equipment warranty for these under this construction work order. Ubicquia nodes shall be installed at exterior lighting locations per the line-by-line audit. NORESKO shall complete the installation and set-up of the Ubicquia nodes.

A site-by-site listing of where these lighting retrofits shall be installed is provided in Attachment 1.

For the City Hall parking lot lighting, NORESKO's scope of work shall be:

1. Removal and disposal of 29 existing pole mounted parking lot fixtures. Fixtures to be replaced with the following new LED parking lot fixtures.

Wattage	Fixture Type	Distribution Type	Mounting	Quantity
147	LED Area Luminaire	Type 5 Wide	Pole mounted	10
111	LED Area Luminaire	Type 3 Wide	Pole mounted	6
111	LED Area Luminaire	Type 5 Wide	Pole mounted	6
71	LED Area Luminaire	Type 3 Wide	Pole mounted	6
71	LED Area Luminaire	Type 4 Wide	Pole mounted	1

2. Removal and disposal of four existing 30' aluminum light poles and installation of four new 30' aluminum light poles. The existing bases will be reused.
3. Removal and disposal of one existing 20' aluminum light pole and installation of one new 20' aluminum light pole. The existing base will be reused.
4. Existing light pole base repairs and/or upgrades to meet wind loads are excluded from NORESKO's scope of work.

Exclusions and Clarifications:

- Engineering, Signed & Sealed Drawings, Reflected Ceiling Plans, and/or Signed & Sealed Photometrics if required for permitting are excluded from this proposal.
- Diagnosis and/or repair of any code or electrical system deficiency which may be discovered during construction is excluded from this proposal.
- Pricing is based on a 10-hour work shift during unoccupied hours, Mondays through Thursdays with unrestricted access to work areas.
- Pricing is based on customer provision of adequate lay down areas for material storage containers and waste dumpsters.

ECM 3: LED Field Lighting

NORESCO shall provide labor, materials, and equipment to install LED field lighting on the existing poles at the sites listed in table B-1 below. NORESKO shall reuse existing service panels and existing electrical wiring. NORESKO shall provide all labor, equipment, and materials to install a MUSCO Control-Link control and monitoring system to provide remote on/off and dimming (high/medium/low) control and performance monitoring.

NORESCO has included detailed site photos of where the installations shall occur as shown in Attachment 2. The size of the grid, number of luminaires, fixture quantities, and circuit summaries for the equipment being installed is shown in Attachment 2.

Table B-1

Facility	Address	Location of Work
Hollywood West Sports Field	6770 Garfield St	2 Fields (Soccer Field, Softball Field)
Washington Park	5199 Pembroke Road	2 Fields (Multi-Use General Area Field, Football Field)
Driftwood Park	3000 North 69th Avenue	4 Fields (4 Softball Fields),
Boggs East Field	2300 North 23Rd Avenue	3 Fields (2 Football Field, 1 Multi-Use General Area Field)
Boggs West Field	2310 North 23Rd Avenue	1 Multi-Use General Area Field

Customer Responsibilities

1. Customer shall provide complete access to the site for construction equipment.
2. Customer shall locate existing underground utilities not covered by local utility locator, (Water lines, electrical lines, irrigation systems, and sprinkler heads).
3. Customer shall locate and mark field reference points per NORESKO supplied layout. (home plate, center of football field, etc.)
4. Customer shall arrange for and pay any necessary power company fees and requirements if necessary.
5. Customer shall provide any existing as-built documents or drawings,

Exclusions and Clarifications:

1. NORESKO shall not be responsible for providing electrical power to the site, any coordination with the utility, and any power company fees.
2. Customer shall inform NORESKO of any changes to existing conditions in writing.
3. NORESKO shall not be responsible for the structural integrity of the existing poles.

NORESCO will keep heavy equipment off playing fields when possible. NORESKO will review protection plans with the customer before beginning work. NORESKO will repair damage to grounds which exceeds that which would be expected. Minor indentations caused by heavy equipment traveling over dry ground would be an example of expected damage. Ruts and sod damage cause by equipment traveling over wet grounds would be an example of damage that NORESKO shall repair.

ECM 5: HVAC System Replacement

NORESCO shall provide all labor, materials, equipment, supplies, and services necessary to provide and install the HVAC upgrades in the facilities identified below by the Customer.

Design specifications and equipment information for each of these facilities can be found in Attachment 3.

Facilities

Building Name	Address
Fire Maintenance Building	3400 North 56th Avenue
David Park Community Center	108 North 33rd Court
Kay Gaither Community Center	6291 Funston Street

Below is a summary of each building with specific scope descriptions, equipment sizing and corresponding unit efficiencies that shall be installed at each site.

NORESCO shall replace the following AC split systems with Carrier equipment of the same type and tonnage but with improved efficiencies. A summary of these changes is shown below.

Fire Maintenance Building

Type of Unit	Size	Existing Efficiency	New Efficiency
Air Handling Unit (AHU-1)	5 ton	13.25 EER	16 SEER
Air Handling Unit (AHU-2)	3.5 ton	13.25 EER	15.5 SEER
Air Handling Unit (AHU-3)	3.5 ton	13.25 EER	15.5 SEER
Air Handling Unit (AHU-4)	3.5 ton	13.25 EER	15.5 SEER

NORESCO shall:

1. Acquire permits.
2. Replace one split system at a time.
3. Properly dispose of the removed equipment and remove from the site.
4. Flush existing refrigerant lines as needed and reutilize for the new unit installations.
5. Anchor the new condensing units to the existing concrete slabs or the existing roof stands. As necessary, slabs or stands shall have their footprint expanded to fit the new equipment. Repairs, replacements, or modifications in excess of required footprint extensions are excluded.
6. Set air handling units on existing stands and connect to existing air ducts.
7. Reconnect existing power and controls.
8. Replace existing return air door grilles in the warehouse with eggcrate grilles.
9. Perform pre and post retrofit airside testing and balancing at the units. Perform commissioning of the new air handling units. Provide commissioning documentation with the closeout report.

David Park Community Center

Type of Unit	Size	Existing Efficiency	New Efficiency
Air Handling Unit (AHU-1)	25 ton	10.2 EER	10.6 EER

NORESCO shall:

1. Acquire permits.
2. Prior to any demolition work, test the fire dampers installed in the ductwork associated with the Air Handling Unit, and notify the customer in writing of any deficiencies identified.
3. Safely remove all refrigerant and oils into approved containers in accordance with local laws and codes.
4. Properly dispose of the removed equipment and remove from the site.
5. Demolish and remove the existing Air Handling Unit and Condensing Unit. .
6. Flush existing refrigerant lines as needed and reutilize for the new unit installation.
7. Furnish and install the new split DX Air Handling Unit and Condensing Unit on existing concrete pads. Furnish and install all components for a complete and operational system.

8. Re-use existing smoke detectors and provide new wiring to safety shutdown circuits.
9. Furnish and install a modulating outside air control damper, programming, and sensors to implement a Demand Control Ventilation sequence for the new Air Handling Unit.
10. Perform pre and post airside testing and balancing at the new air handling unit. Perform commissioning of the new unit. Provide commissioning documentation with the closeout report.

Kay Gaither Community Center

Type of Unit	Size	Existing Efficiency	New Efficiency
Air Handling Unit (AHU-1)	5 ton	10 EER	16 SEER
Air Handling Unit (AHU-3)	4 ton	10 EER	15.2 SEER
Air Handling Unit (AHU-4)	5 ton	10 EER	15.2 SEER

NORESCO shall:

1. Acquire permits.
2. Demolish and remove three (3) existing DX split systems. Systems that shall be removed are AHU-1, AHU-3, and AHU-4. Existing condensing units that are removed associated with AHU-1 and AHU-4 shall be turned over to the Customer for future use.
3. Both indoor air handling unit and outdoor DX unit to be replaced with units of similar capacity and ratings as the existing unit.
4. Furnish and install controls to the new equipment including thermostats and supply and return air temperature sensors.
5. Furnish and install DX condensing units on existing housekeeping pads. Existing housekeeping pads shall be modified if required for the new equipment.
6. Furnish and install new refrigerant piping as necessary for a complete and operational system.
7. Furnish and install new indoor units on new metal stands.
8. Patch drywall as needed around penetrations required by the refrigerant line sets.
9. Perform pre and post airside testing and balancing at the units. Perform commissioning of the new units. Provide all commissioning documentation with the closeout report.

ECM 6: Building Automation System Upgrade

NORESCO shall update the existing BACnet server software to Alerton Compass 2.1. The new Alerton Compass 2.1 operates on the current Windows platform and adds functionality to connect to the BAS through a web browser. The web interface shall allow operators to access via smart devices as long as they are connected to the network.

NORESCO's scope of work for this ECM is:

1. Provide new Compass Enterprise Software licensed for up to three thousand devices.
2. Software shall be installed on new server computer provided by NORESCO.
3. Backup database and the building automation system programs currently installed on the existing server.
4. Upgrade and convert the existing database to the new platform.
5. Revise the graphical interface as required for the Alerton Compass 2.1 upgrade.
6. Provide up to 4 hours of Customer training.

ATTACHMENT C
EQUIPMENT LEASE DOCUMENTS

(To Be Provided)

ATTACHMENT D

Intentionally left blank.

ATTACHMENT E-1

**DELIVERY AND ACCEPTANCE CERTIFICATE
UPON SUBSTANTIAL COMPLETION**

Customer hereby acknowledges receipt of the Energy Conservation Measure(s) (the "ECM(s)") described in the applicable Attachment B to the Energy Services Agreement (the "Agreement") between Customer and NORESO, as fully installed and in good working condition, which are listed and attached hereto. Customer hereby accepts the ECM(s) listed hereto after full inspection thereof as satisfactory for all purposes of the Agreement. Customer agrees to make the related payment(s) to NORESO as set forth in Section 4 of the Agreement.

Substantial Completion Date:

ECM(s):

Date Accepted by Customer: _____

Accepted for: **Customer**

Accepted by: _____

Name: _____

Title: _____

Note: ECM(s) to which this Delivery and Acceptance Certificate relates is/are attached hereto.

ATTACHMENT E-2

**FINAL DELIVERY AND ACCEPTANCE CERTIFICATE
FINAL ACCEPTANCE OF PROJECT**

Customer hereby acknowledges Final Acceptance of all Energy Conservation Measures (the "ECMs") described in the applicable Attachment B to the Energy Services Agreement (the "Agreement") between Customer and NORESKO. The date of Final Acceptance is the date certified by the Customer that the Work has been installed, functionally tested and all punchlist items completed in accordance with the Contract Documents, so that the Customer has possession of the Work and can use it for its intended use. Customer hereby accepts the ECMs listed hereto after full inspection thereof as satisfactory for all purposes of the Agreement. Customer agrees to make the required payment(s) to NORESKO as set forth in Section 4 and Attachment G of the Agreement.

Date Accepted by Customer: _____

Accepted for: **Customer**

Accepted by: _____

Name: _____

Title: _____

Note: ECMs to which this Delivery and Acceptance Certificate relates are attached hereto.

ATTACHMENT F

GUARANTY OF ENERGY COST SAVINGS

1. DEFINITIONS

When used in this Agreement, the following capitalized words shall have the meaning ascribed to them below:

“Baseline Period” is the period of time that defines the Baseline Usage and is representative of the facilities operations, consumption, and usage that is used as the benchmark for determining cost avoidance.

“Baseline Usage” is the calculated energy usage of the Facilities prior to the implementation of the ECMs.

“Baseline Demand” is the calculated energy demand of a piece of equipment or a site prior to the implementation of the ECMs. Baseline physical conditions, such as equipment counts, nameplate data, and control strategies, shall typically be determined through building occupancy, energy end-use survey and plug load surveys of the Facilities.

“Cumulative Excess Verified Savings” is the total amount of Excess Verified Savings based on the results of the Measurement & Verification Plan in the Guaranteed Savings Reconciliation Report carried over to subsequent Guaranty Periods.

“Energy and Operational Cost Avoidance Guarantee Practices” are those practices identified in The Schedule of Savings, intended to achieve avoided costs in energy and/or operating expenses.

“Energy Costs” may include the cost of electricity and fuels to operate HVAC equipment, cogeneration system, facility mechanical and lighting systems, and energy management systems, and the cost of water and sewer usage, as applicable.

“ECM” the Energy Conservation Measure (ECM) is the installation of equipment or systems, or modification of equipment or systems as described in Attachment B.

“Excess Verified Savings” is the amount of Verified Savings minus Guaranteed Savings in a Guaranteed Period.

“Facilities” shall mean those described in Attachment A.

“F.E.M.P.” shall mean the Federal Energy Management Program of the U.S. Department of Energy and its Measurement and Verification Guidelines for Federal Energy Projects (DOE/GO 10096-248, February 1996, or later versions). The F.E.M.P. guidelines classify measurement & verification approaches as Option A, Option B, Option C, and Option D.

“First Guarantee Period” is defined as the period beginning on the first (1st) day of the month following the date of execution of the Delivery and Acceptance Certificate (Attachment E-2) upon Final Acceptance of this Project by the Customer and ending on the day prior to the first (1st) twelve-month anniversary thereof.

“Guarantee Period” is defined as the First Guarantee Period and each of the successive twelve (12) month periods commencing on the anniversary of the commencement of the First Guarantee Period throughout the Term of this Agreement.

“Guaranteed Savings” is defined as the amount of avoided Energy and Operational Costs guaranteed to the CUSTOMER in each Guarantee Period.

“Guaranteed Savings Reconciliation Report” is defined as the process and report for determining the Verified Savings in each Guarantee Period and reconciling it to the Guaranteed Savings in the same Guarantee Period.

“IPMVP” shall mean the International Performance Measurement and Verification Protocol and its Measurement and Verification Guidelines for energy savings performance contract projects. The IPMVP guidelines classify measurement & verification approaches as Option A, Option B, Option C, and Option D.

“Measurement and Verification Plan” (M&V Plan) is defined as the plan providing details on how the Guarantee Savings shall be verified.

“Operational Costs” shall include the cost of operating and maintaining the Facilities, such as, but not limited to, the cost of inside and outside labor to repair and maintain Covered Systems and Equipment, the cost of custodial supplies, the cost of replacement parts, the cost of deferred maintenance, the cost of lamp and ballast disposal, and the cost of new capital equipment as defined for each ECM in Section 4, Schedule of Values.

“Term” shall be 20 years from acceptance.

“Verified Savings” is defined as the summation of avoided Energy and Operational Costs as determined by the Measurement & Verification Plan for the Facilities in each Guarantee Period as a result of the ECMs provided by NORESKO as well as Excess Verified Savings, if any carried forward from previous years.

2. TERM AND TERMINATION

2.1 Guarantee Term. The Term of this Guarantee shall commence on the first (1st) day of the month following the date of execution of the Final Delivery and Acceptance Certificate (Attachment E-2) upon Final Acceptance of this Project by the Customer and shall terminate at the end of 20 years unless terminated earlier as provided for herein.

2.2 Guarantee Termination. Should this Agreement be terminated (including, as applicable, the Maintenance or Measurement & Verification Services) in whole or in part for any reason prior to the end of the Term, the Guaranteed Savings for the Guarantee Period in which such termination becomes effective shall be prorated as of the effective date of such termination, with a reasonable adjustment for seasonal fluctuations, if any, in Energy and Operational Costs, and the Guaranteed Savings for all subsequent Guarantee Periods shall be null and void.

3. SAVINGS GUARANTEE

3.1 Guaranteed Savings: The following table lists the amount of Guaranteed Savings resulting from the ECMs to be installed by NORESKO.

Year	Amount
1	\$388,026
2	\$399,880
3	\$412,095
4	\$424,685
5	\$437,659
6	\$451,031
7	\$464,811
8	\$479,013
9	\$493,650
10	\$508,733

Year	Amount
11	\$524,279
12	\$540,301
13	\$556,812
14	\$573,828
15	\$591,365
16	\$609,438
17	\$628,065
18	\$647,262
19	\$667,045
20	\$687,435
Total	\$10,485,413

3.1.1 Additional Savings. Additional energy and/or operational cost avoidance that can be demonstrated as a result of NORESO's efforts that result in no additional costs to Customer beyond the costs identified in this Agreement shall be included in the Guarantee Savings Reconciliation Report for the applicable Guarantee Period (s).

3.1.2 Savings Prior to Final Retrofit Acceptance. All energy and operational cost avoidance realized by Customer and as calculated through the Measurement & Verification Plan that result from activities undertaken by NORESO prior to Final Acceptance may be applied to the Verified Savings for the First Guaranty Period.

3.1.3 Cumulation of Savings. The Guaranteed Savings in each Guarantee Period are considered satisfied if the Verified Savings for such Guarantee Period equals or exceeds the Guaranteed Savings for such Guarantee Period.

3.1.4 Savings Shortfalls. In the event that the Verified Savings in any Guarantee Period is less than the Guaranteed Savings required for that Guarantee Period, after giving credit for any Excess Verified Savings carried forward from previous Guarantee Periods, NORESO shall, upon receipt of written demand from Customer, compensate Customer the amount of any such shortfall, limited by the value of the guarantee, within thirty (30) calendar days. Resulting compensation shall be NORESO's sole liability for any shortfall in the Guaranteed Savings.

3.2 Savings Reconciliation Documentation. NORESO shall provide Customer with a Guarantee Savings Reconciliation Report after each Guarantee Period within 120 days. Customer shall assist NORESO in generating the savings reconciliation report by providing NORESO's receipt thereof, together with access to relevant records relating to such Energy and Operating Costs. Customer shall also assist NORESO by permitting access to any energy billing information, maintenance records, drawings, or other data deemed necessary by NORESO to generate the said report. Data and calculations utilized by NORESO in the preparation of its Guarantee Savings Reconciliation Report shall be made available to Customer, along with such explanations and clarifications as Customer may reasonably request.

3.2.1 Acceptance of Guarantee Savings Reconciliation Report. At the end of each Guarantee Period, Customer shall have forty-five (45) days to review the Guarantee Savings Reconciliation Report and provide written notice to NORESO of non-acceptance of the Guarantee Savings Reconciliation Report for that Guarantee Year. Failure to provide written notice within forty-five (45) days of the receipt of the Guarantee Savings Reconciliation Report shall constitute the deemed acceptance of the Report and its findings by the Customer.

3.2.2 Guarantee Savings Reconciliation. Verified Savings shall be determined in accordance with the methodology(s), operating parameters, formulas, and constants as described below and/or defined in the

Measurement & Verification Plan and/or additional methodologies defined by NORESO that may be negotiated with Customer at any time. Actual savings reduction in utility bills may vary from the Verified Savings for reasons outside of NORESO's control including but not limited to: changes in energy and other utility rates and tariffs, changes in Customer operating schedules and usage patterns, changes in Customer loads due to addition or reductions in energy and water consuming devices, changes in weather, impacts due to the operations of ECMs, impacts due to the maintenance of ECMs maintained by Customer, and additions to and/or reduction in facility space usage. For the purposes of calculating any shortfalls or excesses of Verified Savings versus Guaranteed Savings, the Measurement & Verification Plan shall be utilized.

3.2.3 Activities and Events Adversely Impacting Savings. Customer must promptly notify NORESO of any activities known to Customer, which adversely impacts NORESO's ability to realize the Guaranteed Savings and NORESO shall be entitled to reduce the Guaranteed Savings by the amount of any such adverse impact to the extent that such adverse impact is beyond NORESO's reasonable control.

3.2.4 Guarantee Adjustment. NORESO's Guaranteed Savings obligations under this Agreement are contingent upon: (1) Customer following the operations and maintenance requirements for the ECMs in accordance with the Agreement; (2) no alterations or additions being made by the Customer without prior notice and written agreement of the Parties; (3) Customer sending all current utility bills to NORESO within two (2) weeks after receipt; and (4) NORESO'S ability to render services not being impaired by circumstances beyond its control. To the extent that the Customer defaults or fails to perform fully any of its obligations under this Agreement, NORESO may, in its sole discretion, adjust the Guaranteed Savings obligation; provided, however, that no adjustment hereunder shall be effective unless NORESO has first provided the Customer with written notice of Customer's default(s) or failure(s) to perform and Customer has failed to cure its default(s) and failure(s) to perform within thirty (30) days after receipt of such notice.

3.2.5 Energy Rates

Building	Demand (\$/kW)	Electricity (\$/kWh)
ArtsPark Building & Amphitheater	\$12.65	\$0.0788
Boulevard Heights Community Center	\$12.65	\$0.0824
City Hall	\$16.53	\$0.0626
David Park Community Center	\$12.65	\$0.0785
DCM Building	\$0.00	\$0.1417
Driftwood Community Center & Pool	\$12.65	\$0.0898
Fire Maintenance	\$12.65	\$0.0787
Fire Station # 5	\$12.65	\$0.0788
Fire Station # 31	\$12.65	\$0.0786
Fire Station # 40 Parking Garage	\$12.65	\$0.0782
Fire Station # 74	\$12.65	\$0.0784
Fire Station # 105	\$12.65	\$0.0787
Fire Training Building	\$12.65	\$0.0810
Fred Lippman Community Center	\$12.65	\$0.0789
Garfield Community Center	\$12.65	\$0.0742
Hollywood Beach Community Center	\$12.65	\$0.0806
Kay Gaither Community Center	\$12.65	\$0.0891
MLK Community Center	\$12.65	\$0.0784
Oak Lake Community Center	\$0.00	\$0.1419
Parking Garage (South 20Th)	\$12.65	\$0.0793
Boggs East Field / Police Athletic League	\$12.65	\$0.0811
Public Utilities Offices	\$0.00	\$0.1418

Building	Demand (\$/kW)	Electricity (\$/kWh)
Public Utilities Shop/Admin	\$12.65	\$0.0805
Public Utilities Warehouse/Shop	\$0.00	\$0.1418
Radius Parking Garage	\$12.67	\$0.0770
Rotary Park	\$12.65	\$0.0865
Washington Park Community Center	\$0.00	\$0.1419
West Annex	\$0.00	\$0.1404
Hollywood West Sports Lighting	\$12.65	\$0.0865
Jefferson Sports Lighting	\$12.65	\$0.0865
Stan Goldman Sports Lighting	\$12.65	\$0.0865
Driftwood Park	\$12.65	\$0.0898
Boggs West Field	\$12.65	\$0.0811

4. MEASUREMENT & VERIFICATION PLAN

4.1 Measurement and Verification. NORESO and the Customer agree that the Verified Savings shall be determined using the following Measurement and Verification Plan.

Measurement & Verification Plan: NORESO and the Customer agree that the Verified Savings by ECM shall be determined using the following Measurement & Verification plans further described in this section. Through this plan, the guaranteed savings generated by the ECMs installed in the Facilities shall be validated. The M&V methodologies proposed for these ECMs are based on the version 2.2 of the F.E.M.P. Measurement and Verification Guidelines. The objective of the plan is to quantify the actual electrical and fossil fuel and compare those to the specific Baseline Usage for each Facility, the difference of which is the Verified Savings.

During the term of the Agreement, NORESO shall make adjustments to energy savings due to changes in building occupancy, weather data, and utility rate schedules, etc. The unit costs of energy shall be applied to the energy savings calculated by this M&V plan. Current utility cost shall be used as a basis for determining the unit cost, with floor and ceiling prices set by baseline rate information, presented herein this Attachment.

Summary of M&V Plan

ECM	ECM Description	Energy Savings Units	Baseline M&V	Post-Installation M&V	Performance Period M&V	Contractually Agreed Upon Variables
1	Interior & Exterior LED Lighting	kW, kWh	Establish baseline based on prior utility data. Measurements are stipulated. Design based on 1 for 1 fixture replacement.	Verified electric energy savings shall reflect final as-built quantities and construction change order adjustments. Post-retrofit measurements shall be done on a sample of the six fixture types with the largest lighting load across all sites (includes interior, exterior, and court / street lighting). The six fixture types will be spread across ECM 1 and ECM 4..	Inspect annually for five years to verify that proper replacements are being used and that the fixtures are operating as intended for the duration of the contract. Survey maintenance stock and maintenance records to confirm that proper materials are being inventoried.	Pre- and post-retrofit runtime, occupancy, and fixture power.
2	LED Lighting Occupancy Sensors	kWh	Establish baseline based on prior utility data. Measurements are stipulated. Design based on 1 for 1 fixture replacement.	Verify proper installation and configuration during commissioning period.	Inspect annually for five years to verify that proper replacements are being used and that the fixtures are operating as intended for the duration of the contract.	Pre- and post-retrofit runtime, occupancy, and fixture power.
3	LED Field Lighting	kW, kWh	Establish baseline based on prior utility data. Measurements are stipulated. Design based on 1 for 1 fixture replacement.	Verify proper installation and configuration during commissioning period. Post-retrofit operating hours shall be based on agreed-upon runtime hours.	Inspect poles and lighting fixtures annually for 5 years to verify that they work as intended. Verify that the configuration settings for the lighting works as well. Survey maintenance stock and maintenance records to confirm that proper materials are being inventoried.	Pre- and post-retrofit runtime, occupancy, and fixture power.

ECM	ECM Description	Energy Savings Units	Baseline M&V	Post-Installation M&V	Performance Period M&V	Contractually Agreed Upon Variables
4	LED Court & Street Lighting	kW, kWh	Establish baseline based on prior utility data. Measurements are stipulated. Design based on 1 for 1 fixture replacement.	Verified electric energy savings shall reflect final as-built quantities and construction change order adjustments. Post-retrofit measurements shall be done on a sample of the six fixture types with the largest lighting load across all sites (includes interior, exterior, and court / street lighting). The six fixture types will be spread across ECM 1 and ECM 4..	Inspect poles and lighting fixtures annually for 5 years to verify that they work as intended. Verify that the configuration settings for the lighting works as well. Survey maintenance stock and maintenance records to confirm that proper materials are being inventoried.	Pre- and post-retrofit runtime, occupancy, and fixture power.
5	HVAC System Replacement	kW, kWh	Measurements stipulated. Inventory of equipment taken beforehand.	Verify proper installation of HVAC equipment during commissioning period. Expected energy savings shall be determined using design specifications and manufacturer's performance data.	Inspect annually for 5 years to verify that HVAC equipment is in good condition and capable of achieving expected energy savings.	Weather data, ambient temperature, heating system loads, cooling system loads, occupancy and operating schedules, space temperature set points, HVAC system efficiency.
6	Building Automation System Upgrade	There are no energy savings associated with this measure and, therefore, no M&V Plan.				

Table F.1 – Energy Savings Summary

ECMs		Electric Demand (kW)	Electricity (kWh)
1	Interior & Exterior LED Lighting	3,551	1,467,780
2	LED Lighting Occupancy Sensors	0	14,785
3	LED Field Lighting	2,876	217,591
4	LED Court & Street Lighting	1,743	277,933
5	HVAC System Replacement	117	35,592
6	Building Automation System Upgrade	0	0
Totals		8,287	2,013,683

Baseline Energy Unit Costs: The baseline energy costs shown in Table F.2 are the baseline energy rates multiplied by the year 1 escalation rates in Table F.3. These are the same escalation rates that shall be used to calculate the year 1 Proposed Savings included in Table F.1.

Table F.2: Baseline Energy Costs

Building	Total Cost (\$)
ArtsPark Building & Amphitheater	\$76,936
Boulevard Heights Community Center	\$58,366
City Hall	\$164,474
David Park Community Center	\$15,480
DCM Building	\$10,762
Driftwood Community Center & Pool	\$72,951
Driftwood Community Center Pool	\$11,042
Fire Maintenance	\$25,242
Fire Station # 5	\$18,292
Fire Station # 31	\$31,569
Fire Station # 40 Parking Garage	\$44,348
Fire Station # 45	\$18,505
Fire Station # 74	\$85,878
Fire Station # 105	\$40,910
Fire Training Building	\$17,903
Fred Lippman Community Center	\$32,982
Garfield Community Center	\$83,039
Garfield Parking Garage	\$64,105
Hollywood Beach Community Center	\$25,044
Kay Gaither Community Center	\$17,031
MLK Community Center	\$45,482
Oak Lake Community Center	\$7,225
Parking Garage (South 20Th)	\$17,486
Boggs East Field / Police Athletic League	\$18,487
Public Utilities Offices	\$8,909
Public Utilities Shop/Admin	\$9,304
Public Utilities Warehouse/Shop	\$10,099
Radius Parking Garage	\$20,112
Rotary Park	\$52,242
Washington Park Community Center	\$6,465
Washington Park Multipurpose	\$7,937
West Annex	\$7,789
Hollywood West Sports Lighting	\$59,977
Jefferson Sports Lighting	\$8,419
Stan Goldman Sports Lighting	\$13,438
David Park Tennis Sports Lighting	\$16,551
Jefferson Park Building	\$5,430
David Park Tennis Center Building	\$18,770
Driftwood Park	\$72,951
Boggs West Field	\$19,524
Hollywood Golf Course	\$311

Escalation rates are shown in Table F.3. These escalation rates shall be applied to the energy unit costs in Table F.2 for reporting of the Verified Savings in the Guaranteed Savings Reconciliation Reports. Year 1 escalation percentages represent the time differential between the date of the utility bills used in the energy baseline and the completion of the project construction.

Table F.3: Annual Escalation Rates

Year	Electric Demand (kW)	Electricity (kWh)	O&M
1	109.0%	109.0%	100.0%
2	103.0%	103.0%	103.25%
3	103.0%	103.0%	103.3%
4	103.0%	103.0%	103.3%
5	103.0%	103.0%	103.3%
6	103.0%	103.0%	103.3%
7	103.0%	103.0%	103.3%
8	103.0%	103.0%	103.3%
9	103.0%	103.0%	103.3%
10	103.0%	103.0%	103.3%
11	103.0%	103.0%	103.3%
12	103.0%	103.0%	103.3%
13	103.0%	103.0%	103.3%
14	103.0%	103.0%	103.3%
15	103.0%	103.0%	103.3%
16	103.0%	103.0%	103.3%
17	103.0%	103.0%	103.3%
18	103.0%	103.0%	103.3%
19	103.0%	103.0%	103.3%
20	103.0%	103.0%	103.3%

Guaranteed savings for the Customer are shown below in Table F.4.

Table F.4: Guaranteed Savings

Year	Utility Savings	Operations & Maintenance Savings	Total Savings
1	\$302,986	\$85,040	\$388,026
2	\$312,076	\$87,804	\$399,880
3	\$321,438	\$90,657	\$412,095
4	\$331,081	\$93,604	\$424,685
5	\$341,013	\$96,646	\$437,659
6	\$351,244	\$99,787	\$451,031
7	\$361,781	\$103,030	\$464,811
8	\$372,635	\$106,378	\$479,013
9	\$383,814	\$109,836	\$493,650
10	\$395,328	\$113,405	\$508,733
11	\$407,188	\$117,091	\$524,279
12	\$419,404	\$120,897	\$540,301
13	\$431,986	\$124,826	\$556,812
14	\$444,945	\$128,883	\$573,828
15	\$458,294	\$133,071	\$591,365
16	\$472,042	\$137,396	\$609,438
17	\$486,204	\$141,861	\$628,065
18	\$500,790	\$146,472	\$647,262
19	\$515,813	\$151,232	\$667,045

Year	Utility Savings	Operations & Maintenance Savings	Total Savings
20	\$531,288	\$156,147	\$687,435
Total	\$8,141,350	\$2,344,063	\$10,485,413

4.2 M&V Descriptions:

4.2.1 ECM 1 &2: Interior & Exterior LED Lighting / LED Lighting Occupancy Sensors

Savings Calculation Methodology:

The existing luminaire types and quantities in our lighting survey are based on observations made during our walkthrough of Customer's buildings. To calculate the proposed lighting savings, luminaires are grouped with luminaires sharing the same baseline lamp/ballast combination (LBC) group, post-installation LBC group, and hours of operation. For each LBC group, energy savings for each usage time period are calculated as follows:

$$ES_{\text{lighting}} = (P_{\text{base}} \times N_{\text{base}} - P_{\text{post}} \times N_{\text{post}}) \times H_{\text{base}}$$

Where:

ES_{lighting} = Energy savings (kWh) for the lighting retrofits

P_{base} = Electrical power (kW) per luminaire for appropriate baseline LBC group

N_{base} = Number of luminaires in representative baseline LBC group

P_{post} = Electrical power (kW) per luminaire for appropriate post-installation LBC group

N_{post} = Number of luminaires in representative post-installation LBC group

H_{base} = Existing annual operating hours defined by luminaire's pre-existing group

For the lighting retrofits, monthly demand savings are calculated as follows:

$$DS_{\text{lighting}} = (P_{\text{base}} \times N_{\text{base}} - P_{\text{post}} \times N_{\text{post}}) \times DF_{\text{lighting}}$$

Where:

DS_{lighting} = Monthly demand savings (kW) for the lighting retrofits

P_{base} = Electrical power (kW) per fixture for appropriate baseline LBC group

N_{base} = Number of fixtures in representative baseline LBC group

P_{post} = Electrical power (kW) per fixture for appropriate post-installation LBC group.

N_{post} = Number of fixtures in representative post-installation LBC group.

DF_{lighting} = Hours group diversity factor

Cost savings are determined by multiplying the proposed energy and demand savings for each LBC group by the approved incremental energy costs. The results of these calculations are summed for a total electric demand (kW) and energy (kWh) savings.

Interactive heating effects are calculated as follows:

$$IHP_{\text{HTG}} = (ES_{\text{lighting}} \times LCH \times SH \times [WH \div 52] \times HFCF) \div EFF_{\text{HTG}}$$

Where:

IHP_{HTG} = Annual interactive heating penalty

ES_{lighting} = Energy savings (kWh) for the lighting retrofits

LCH = lighting contribution to heating loads as a percentage of total lighting energy use

SH = space heated as a percentage of total floor space

WH = weeks per year heating

$HFCF$ = heating fuel conversion factor

EFF_{HTG} = Heating system efficiency

To calculate the proposed lighting control savings, luminaires are grouped with luminaires sharing the same baseline lamp/ballast combination (LBC) group, post-installation LBC group, and hours of operation. We based the calculated savings on the provided fixture information and building access periods. For each LBC group, energy savings for each usage time period are calculated as follows:

$$ES_{\text{controls}} = \{(P_{\text{post}} \times H_{\text{base}}) - (P_{\text{post}} \times H_{\text{post}})\} \times N_{\text{post}}$$

Where:

ES_{controls} = Energy savings (kWh) for on/off controls

P_{post} = Electrical power (kW) per luminaire for appropriate post-installation LBC group

H_{base} = Baseline annual operating hours defined by luminaire's pre-hours group

H_{post} = post-installation annual operating hours defined by luminaire's post-hours group

N_{post} = number of fixtures in representative post-installation LBC group.

Cost savings are determined by multiplying the proposed energy savings for each LBC group by the approved incremental energy costs. The results of these calculations are summed for total energy (kWh) savings.

M&V Activities during IGA:

Pre-installation audits and site observations, manufacturer's specifications of the existing lighting fixtures were used for stipulating the baseline energy consumption.

Post-Installation Period:

Post-installation energy consumption shall be based on the commissioning of the LED lights described in the above calculation method. The agreed-upon LED fixture wattages shall be based on the manufacturer's specifications and cut-sheets. NORESO shall verify that new lighting fixtures and controls are installed properly and meet the design criteria. Verified electric energy savings shall reflect final as-built quantities and construction change order adjustments. NORESO shall take these measurements on a sample of the six fixture types with the largest lighting load across all sites (includes interior, exterior, and court / street lighting). The six fixture types will be spread across ECM 1 and ECM 4. Operating hours shall remain the same as baseline or based on the agreed-upon reduced hours where lighting controls were implemented. Savings are based on the difference between baseline and post-installation wattage and operating hours. If the equipment installed differs materially from the proposed strategies, then the models shall be revised to reflect the equipment and strategies that were actually implemented. If the Customer directs modifications outside NORESO's control that impact the ability for this measure to produce the guaranteed savings, adjustments to the guarantee may be required. Guaranteed savings may also be adjusted by NORESO based on the final as-built quantities of lights installed by NORESO.

M&V Activities during the Performance Period:

The verified lighting energy savings shall be based on the verified post-installation fixture wattage and the baseline-operating hours. Demand savings for all buildings shall be based on the pre- and post-installation fixture wattage measurements and the agree-to percentage contribution to the demand charge. During the annual inspection visit, NORESO shall visually inspect a sample of fixtures to verify that proper replacement lamps are being used and operating as intended for duration of the contract. NORESO shall report any deficiencies to Customer in the Guaranteed Savings Reconciliation Report.

4.2.2 ECM 3: LED Field Lighting

Savings Calculation Methodology:

The existing luminaire types and quantities in our lighting survey are based on observations made during our walkthrough of Customer's buildings. To calculate the proposed lighting savings, luminaires are grouped with luminaires sharing the same baseline lamp/ballast combination (LBC) group, post-installation LBC group, and hours of operation. For each LBC group, energy savings for each usage time period are calculated as follows:

$$ES_{\text{lighting}} = (P_{\text{base}} \times N_{\text{base}} - P_{\text{post}} \times N_{\text{post}}) \times H_{\text{base}}$$

Where:

ES_{lighting} = Energy savings (kWh) for the lighting retrofits

P_{base} = Electrical power (kW) per luminaire for appropriate baseline LBC group

N_{base} = Number of luminaires in representative baseline LBC group

P_{post} = Electrical power (kW) per luminaire for appropriate post-installation LBC group

N_{post} = Number of luminaires in representative post-installation LBC group

H_{base} = Existing annual operating hours defined by luminaire's pre-existing group

For the lighting retrofits, monthly demand savings are calculated as follows:

$$DS_{\text{lighting}} = (P_{\text{base}} \times N_{\text{base}} - P_{\text{post}} \times N_{\text{post}}) \times DF_{\text{lighting}}$$

Where:

DS_{lighting} = Monthly demand savings (kW) for the lighting retrofits

P_{base} = Electrical power (kW) per fixture for appropriate baseline LBC group

N_{base} = Number of fixtures in representative baseline LBC group

P_{post} = Electrical power (kW) per fixture for appropriate post-installation LBC group.

N_{post} = Number of fixtures in representative post-installation LBC group.

DF_{lighting} = Hours group diversity factor

Cost savings are determined by multiplying the proposed energy and demand savings for each LBC group by the approved incremental energy costs. The results of these calculations are summed for a total electric demand (kW) and energy (kWh) savings.

To calculate the proposed lighting control savings, luminaires are grouped with luminaires sharing the same baseline lamp/ballast combination (LBC) group, post-installation LBC group, and hours of operation. We based the calculated savings on the provided fixture information and building access periods. For each LBC group, energy savings for each usage time period are calculated as follows:

$$ES_{\text{controls}} = \{(P_{\text{post}} \times H_{\text{base}}) - (P_{\text{post}} \times H_{\text{post}})\} \times N_{\text{post}}$$

Where:

ES_{controls} = Energy savings (kWh) for on/off controls

P_{post} = Electrical power (kW) per luminaire for appropriate post-installation LBC group

H_{base} = Baseline annual operating hours defined by luminaire's pre-hours group

H_{post} = post-installation annual operating hours defined by luminaire's post-hours group

N_{post} = number of fixtures in representative post-installation LBC group.

Electric demand control savings are determined as follows:

$$DS_{\text{controls}} = P_{\text{post}} \times DF_{\text{controls}} \times N_{\text{post}}$$

Where:

DS_{controls} = Monthly demand savings, in kW, for the lighting controls

P_{post} = Electrical power, in kW, per fixture for appropriate post-installation LBC group

DF_{controls} = Hours group diversity factor

N_{post} = number of fixtures in representative post-installation LBC group

Cost savings are determined by multiplying the proposed energy savings for each LBC group by the approved incremental energy costs. The results of these calculations are summed for total energy (kWh) savings.

The expected lighting upgrade reduces the wattage and hours of operation for lighting, which in turn produces less heat in the lighted areas. Since cooling systems have less heat to remove, less air conditioning energy is required.

The actual heat contributed to the cooling load varies by fixture type (recessed, surface-mounted, suspended, open, or enclosed), air return (open plenum or ducted return), and the amount of exhausted air. To represent various lighting and ventilation systems, NORESKO assumes that, in conditioned spaces, electrically produced mechanical cooling removes an average of 75 percent of light-generated heat. Luminaires in unconditioned spaces, such as outdoor areas, stairways, mechanical rooms, and high-bay areas, have no effect on the mechanical cooling systems. Therefore, cooling savings calculations do not include these luminaires. For each group of luminaires in conditioned spaces, we calculated the HVAC cooling energy savings during each time-of-use (TOU) period as follows:

$$ES_{Cooling} = \frac{(ES_{Ltg} + ES_{Controls}) \times C_{Energy} \times HC}{C_{Capacity}} \times EFF \times SEA_{Cooling}$$

Where:

ES _{Cooling}	= Energy savings, in kWh, for the HVAC retrofits.
ES _{Ltg}	= Energy savings, in kWh, for the lighting retrofits (from conditioned spaces only).
ES _{Controls}	= Energy savings, in kWh, for the lighting controls (from conditioned spaces only).
C _{Energy}	= Conversion factor = 3,413 Btu/kWh.
HC	= Heat contribution of luminaires to conditioned space, stipulated at 75 percent.
EFF	= Mechanical cooling efficiency, in kW/ton.
SEACooling	= Cooling season, in percent of year.
CCapacity	= Conversion Factor = 12,000 btu/ton, cooling capacity

Heating penalty was calculated as follows:

$$HP_{Heating} = \frac{(ES_{Ltg} + ES_{Controls}) \times C_{Energy} \times HC}{C_{MMBtu} \times EFF} \times SEA_{Heating}$$

Where:

HP _{Heating}	= Heating penalty, in MMBtu, for the HVAC interaction.
ES _{Ltg}	= Energy savings, in kWh, for the lighting retrofits (from conditioned spaces only).
ES _{Controls}	= Energy savings, in kWh, for the lighting controls (from conditioned spaces only).
C _{Energy}	= Conversion factor = 3,413 Btu/kWh.
HC	= Heat contribution of luminaires to conditioned space, stipulated at 75 percent.
C _{MMBtu}	= Conversion factor = 1,000,000 Btu/MMBtu.
EFF	= Mechanical heating efficiency, as a percentage.
SEA _{Heating}	= Heating season, in percent of year.

To determine cost savings, NORESKO multiplied the energy savings of all fixture groups (minus the heating penalty) by the approved incremental energy costs.

After construction, the actual number of fixtures upgraded in conditioned spaces shall be verified from the field inspections and documented in an as-built report. These quantities and the verified wattages shall be

used to calculate verified savings in the above formulae.

M&V Activities during IGA:

Pre-installation audits and site observations, manufacturer's specifications of the existing streetlight fixtures were used for stipulating the baseline energy consumption.

Post-Installation Period:

Post-installation energy consumption shall be based on the commissioning of the LED field lights described in the above calculation method. The agreed-upon LED fixture wattages shall be based on the manufacturer's specifications and cut-sheets. NORESKO shall inspect the fixtures to verify that they have been installed properly and are functioning as intended. If the equipment installed differs materially from the proposed strategies, then the models shall be revised to reflect the equipment and strategies that were actually implemented. If the Customer directs modifications outside NORESKO's control that impact the ability for this measure to produce the guaranteed savings, adjustments to the guarantee may be required. Guaranteed savings may also be adjusted by NORESKO based on the final as-built quantities of field lights installed by NORESKO.

M&V Activities during the Performance Period:

The verified lighting energy savings shall be based on the verified post-installation fixture wattage and the baseline-operating hours. Demand savings for all buildings shall be based on the pre- and post-installation fixture wattage measurements and the agree-to percentage contribution to the demand charge. During the annual inspection visit, NORESKO shall visually inspect a sample of fixtures to verify that proper replacement lamps are being used and operating as intended for duration of the contract. NORESKO shall report any deficiencies to Customer in the Guaranteed Savings Reconciliation Report.

4.2.3 ECM 4: LED Court & Street Lighting

Savings Calculation Methodology:

The existing luminaire types and quantities in our lighting survey are based on observations made during our walkthrough of Customer's buildings. To calculate the proposed lighting savings, luminaries are grouped with luminaries sharing the same baseline lamp/ballast combination (LBC) group, post-installation LBC group, and hours of operation. For each LBC group, energy savings for each usage time period are calculated as follows:

$$ES_{\text{lighting}} = (P_{\text{base}} \times N_{\text{base}} - P_{\text{post}} \times N_{\text{post}}) \times H_{\text{base}}$$

Where:

ES_{lighting} = Energy savings (kWh) for the lighting retrofits

P_{base} = Electrical power (kW) per luminaire for appropriate baseline LBC group

N_{base} = Number of luminaries in representative baseline LBC group

P_{post} = Electrical power (kW) per luminaire for appropriate post-installation LBC group

N_{post} = Number of luminaries in representative post-installation LBC group

H_{base} = Existing annual operating hours defined by luminaire's pre-existing group

For the lighting retrofits, monthly demand savings are calculated as follows:

$$DS_{\text{lighting}} = (P_{\text{base}} \times N_{\text{base}} - P_{\text{post}} \times N_{\text{post}}) \times DF_{\text{lighting}}$$

Where:

DS_{lighting} = Monthly demand savings (kW) for the lighting retrofits

P_{base} = Electrical power (kW) per fixture for appropriate baseline LBC group
 N_{base} = Number of fixtures in representative baseline LBC group
 P_{post} = Electrical power (kW) per fixture for appropriate post-installation LBC group.
 N_{post} = Number of fixtures in representative post-installation LBC group.
 $DF_{lighting}$ = Hours group diversity factor

Cost savings are determined by multiplying the proposed energy and demand savings for each LBC group by the approved incremental energy costs. The results of these calculations are summed for a total electric demand (kW) and energy (kWh) savings.

To calculate the proposed lighting control savings, luminaires are grouped with luminaires sharing the same baseline lamp/ballast combination (LBC) group, post-installation LBC group, and hours of operation. We based the calculated savings on the provided fixture information and building access periods. For each LBC group, energy savings for each usage time period are calculated as follows:

$$ES_{controls} = \{(P_{post} \times H_{base}) - (P_{post} \times H_{post})\} \times N_{post}$$

Where:

$ES_{controls}$ = Energy savings (kWh) for on/off controls
 P_{post} = Electrical power (kW) per luminaire for appropriate post-installation LBC group
 H_{base} = Baseline annual operating hours defined by luminaire's pre-hours group
 H_{post} = post-installation annual operating hours defined by luminaire's post-hours group
 N_{post} = number of fixtures in representative post-installation LBC group.

Electric demand control savings are determined as follows:

$$DS_{controls} = P_{post} \times DF_{controls} \times N_{post}$$

Where:

$DS_{controls}$ = Monthly demand savings, in kW, for the lighting controls
 P_{post} = Electrical power, in kW, per fixture for appropriate post-installation LBC group
 $DF_{controls}$ = Hours group diversity factor
 N_{post} = number of fixtures in representative post-installation LBC group

Cost savings are determined by multiplying the proposed energy savings for each LBC group by the approved incremental energy costs. The results of these calculations are summed for total energy (kWh) savings.

M&V Activities during IGA:

Pre-installation audits and site observations, manufacturer's specifications of the existing streetlight fixtures were used for stipulating the baseline energy consumption.

Post-Installation Period:

Post-installation energy consumption shall be based on the commissioning of the LED court & streetlights described in the above calculation method. The agreed-upon LED fixture wattages shall be based on the manufacturer's specifications and cut-sheets. NORESO shall verify that new lighting fixtures and controls are installed properly and meet the design criteria. Verified electric energy savings shall reflect final as-built quantities and construction change order adjustments. NORESO shall take these measurements on a sample of the six fixture types with the largest lighting load across all sites (includes interior, exterior, and court / street lighting). The six fixture types will be spread across ECM 1 and ECM 4. Operating hours shall remain the same as baseline or based on the agreed-upon reduced hours where lighting controls were implemented. Savings are based on the difference between baseline and post-installation wattage and operating hours. If the equipment installed differs materially from the proposed strategies, then the models

shall be revised to reflect the equipment and strategies that were actually implemented. If the Customer directs modifications outside NORESO's control that impact the ability for this measure to produce the guaranteed savings, adjustments to the guarantee may be required. Guaranteed savings may also be adjusted by NORESO based on the final as-built quantities of lights installed by NORESO

M&V Activities during the Performance Period:

The verified lighting energy savings shall be based on the verified post-installation fixture wattage and the baseline-operating hours. Demand savings for all buildings shall be based on the pre- and post-installation fixture wattage measurements and the agree-to percentage contribution to the demand charge. During the annual inspection visit, NORESO shall visually inspect a sample of fixtures to verify that proper replacement lamps are being used and operating as intended for duration of the contract. NORESO shall report any deficiencies to Customer in the Guaranteed Savings Reconciliation Report.

4.2.4 ECM 5: HVAC System Replacement

Savings Calculation Methodology:

The energy savings for this measure shall be calculated using baseline and post installation unitary equipment efficiencies and estimated effective full load cooling hours for each unit. The estimated full load cooling hours utilized in the calculations were selected based on local climate data and similar building occupancy classifications.

To calculate the energy savings, the difference between the existing and proposed equipment efficiencies was multiplied by the annual cooling load for each unit being replaced as described in the equation below:

$$\begin{aligned}\text{Energy}_{\text{savings}} &= \text{EFLH} \times N \times Q \times (\text{EFF}_{\text{existing}} - \text{EFF}_{\text{proposed}}) \\ \text{Demand}_{\text{savings}} &= N \times Q \times (\text{EFF}_{\text{existing}} - \text{EFF}_{\text{proposed}}) \times M\end{aligned}$$

Where:

EFLH = Effective annual full load cooling hours (h)

N = number of units being replaced

Q = HVAC unit size (tons)

EFF_{existing} = Estimated existing unit cooling efficiency (kW/Ton)

EFF_{proposed} = Proposed unit cooling efficiency (kW/Ton)

M = Number of months cooling is required

M&V Activities during IGA:

Pre-installation audits and site observations of the existing equipment, engineering drawings, and schedules shall be done to document the operation of the existing HVAC units. The existing equipment efficiency shall be estimated based on the original equipment efficiency and the age and condition of the existing equipment.

Post-Installation Period:

NORESOS shall commission the new HVAC units and confirm that the proper equipment has been installed and the proposed energy saving control strategies have been implemented as proposed. Functional performance testing of the new units shall be performed by NORESO. Verified savings shall be calculated based on commissioned energy saving control strategies, agreed upon hours and modes of operation, and the as-built quantities. Any variances in the number and/or equipment installed from the proposed scope of work shall be noted by NORESO. The equations presented above shall be used to calculate verified savings

based on the as-built quantities and equipment.

M&V Activities during the Performance Period:

NORESCO shall conduct annual inspections to ensure the equipment is in place and operating as intended. Any deficiencies and improper maintenance practices found shall be reported in the Guaranteed Savings Reconciliation Report. Verified energy savings shall be based on the calculations described above and documented in the Post-Installation Report.

4.2.5 ECM 5: Building Automation System Upgrade

There are no savings associated with this ECM, therefore no M&V is proposed.

ATTACHMENT G

CONTRACT COST AND ANNUAL SERVICES

- (a) Customer agrees to pay to NORESKO, the amount equal to the Project Cost, as listed below, in accordance with the terms described in Section 4 of the Agreement. The proposed monthly progress payments shall be substantially the same as those found in Attachment G-1, Proposed Progress Payments, attached hereto. NORESKO will provide a schedule of values for Customer review and approval. NORESKO will submit monthly progress payment applications for Customer review and approval based on monthly progress.

Project Cost = \$6,558,692

The Project Cost is inclusive of general conditions, payment and performance bonds, insurance (per Section 16 of the ESA that this Construction Work Order No. 2 is pursuant to), and NORESKO labor as required to implement this scope of work.

NORESKO reserves the right to request an adjustment to the Project Cost and/or Schedule as the result of a change in Law, newly enacted tariff, import duty, or other similar unanticipated project cost that is put in place after the date of NORESKO's Proposal. Such additional cost and/or contract time shall be documented by NORESKO to Customer and incorporated in a duly executed Change Order for the project.

Proposed Monthly Progress Payments are attached hereto as Attachment G-1.

- (b) Measurement & Verification Fee: Customer shall pay NORESKO for annual (monthly) measurement and verification services provided under this Agreement that the Parties mutually agree to have NORESKO perform. Customer agrees to pay the annual (monthly) Measurement & Verification fee as provided for below with respect to such agreed upon services.

Year	Annual Amount
1	\$7,199
2	\$7,415
3	\$7,638
4	\$7,867
5	\$8,103
6	\$8,346
7	\$8,597
8	\$8,854
9	\$9,120
10	\$9,394
11	\$9,675
12	\$9,966
13	\$10,265
14	\$10,573
15	\$10,890
16	\$11,217
17	\$11,553
18	\$11,900
19	\$12,257
20	\$12,624
Total	\$193,452

ATTACHMENT G-1

PROJECTED MONTHLY PROGRESS PAYMENTS

Payment #	Month	Monthly Draw
1	1	\$393,918
2	2	\$111,498
3	3	\$107,777
4	4	\$249,656
5	5	\$797,441
6	6	\$411,028
7	7	\$1,030,148
8	8	\$760,043
9	9	\$760,043
10	10	\$816,497
11	11	\$587,517
12	12	\$362,746
13	13	\$93,820
14	14	\$76,561
Total		\$6,558,692

ATTACHMENT H

CHANGE ORDER FORM

(Request & Agreement for Change in Plans and/or Specifications and/or Contract)

Change Request No. _____

Customer: _____

Department: _____

Project No. _____ Contract No. _____ Site: _____

Title: _____

I. REQUEST

Date: _____

(a) Requested by _____ Of _____

(b) Description of change _____

II. NORESKO's AGREEMENT

For all costs involved in this change including extensions of time herein requested NORESKO proposes to perform the work described in accordance with the provisions of the subject Agreement and certifies that the attached cost data is accurate, complete and current, and mathematically correct.

Payment shall be made on the basis of:

If necessary, attach detailed estimates and breakdown for above in accordance with change order instruction. A claim for work performed under protest may be submitted in writing.

An extension of contract time of _____ calendar days to _____ is requested.

NORESKO _____ by _____ Date: _____

CUSTOMER APPROVAL: _____ Date: _____

Customer _____	Contract Award	\$
	Previous Additions	\$
	Previous Deductions	\$
By: _____	Net Total	\$
Title: _____	This Change	\$
	Total	\$

ATTACHMENT I

MAINTENANCE SERVICES

No maintenance services shall provided by NORESO. All maintenance activities shall be provided by the City. Any maintenance services provided by NORESO shall be defined in an amendment to this agreement as approved by the Parties.

ATTACHMENT J

NORESCO INSTALLED EQUIPMENT

#	ECM
1	Interior & Exterior LED Lighting
2	LED Lighting Occupancy Sensors
3	LED Field Lighting
4	LED Court & Street Lighting
5	HVAC System Replacement
6	Building Automation System

Specific equipment specifications are attached in Attachment 3 as noted in Attachment B Scope of Services.

ATTACHMENT K

STANDARDS OF SERVICE

Balance Point Temperature: 60 degrees

The savings calculations are based on the assumption that when the outside air temperature is above 60 degrees Fahrenheit, the cooling system will operate. Conversely when the outside air temperature is below 60 degrees Fahrenheit, the heating system will operate.

ATTACHMENT #1 -

LIGHTING LINE-BY-LINE

BUILDING / ROOM INFORMATION								EXISTING SYSTEM							PROPOSED SYSTEM					
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
MLK Community Center	1	1	1	MAIN HALL	Corridor / Hallway	15	FALSE	Wall Pack - FCT - UpLight	HID	175w MH / HID-175	1	1	5	5	5	Replace fixture with LED Architectural Sconce - mount as uplight (66w / 11637lm)	Integral LED / Integral LED Driver	5	5	
MLK Community Center	2	1	1	MAIN HALL	Corridor / Hallway		FALSE	LED - Flood	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1	
MLK Community Center	3	1	1	MAIN HALL	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
MLK Community Center	4	1	2	OFFICE	Office - Private	44	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2	
MLK Community Center	5	1	3	CLOSET	Custodial Closet	33	FALSE	4' Wall Bracket	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
MLK Community Center	6	1	4	STAIR / FOYER	Stairwell - Interior	28	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	4	4	
MLK Community Center	7	1	4	STAIR / FOYER	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
MLK Community Center	8	1	6	TREADMILL AREA	Gymnasium	38	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	12	24	12	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	12	12	
MLK Community Center	9	1	6	TREADMILL AREA	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
MLK Community Center	10	1	8	WEIGHT ROOM	Gymnasium	41	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	12	24	12	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	12	12	
MLK Community Center	11	1	8	WEIGHT ROOM	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
MLK Community Center	12	1	STR2		Stairwell - Interior	20	FALSE	4' Wall Bracket	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6	
MLK Community Center	13	1	7	CLOSET	Storage - General		FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
MLK Community Center	14	1	8A		Storage - General		FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
MLK Community Center	15	1	5		Storage - General		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	4	4	
MLK Community Center	16	1	9	LOCKER ROOM	Locker Room	18	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6	
MLK Community Center	17	1	9	LOCKER ROOM	Locker Room		FALSE	4' Vanity	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
MLK Community Center	18	1	9	LOCKER ROOM	Locker Room		FALSE	1x4 Rec. Parabolic	FL	F32T8 / 2L Electronic	1	1	5	5	5	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	5	5	
MLK Community Center	19	1	9	LOCKER ROOM	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
MLK Community Center	20	1	9A		Custodial Closet		FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
MLK Community Center	21	1	10	LOCKER ROOM	Locker Room	18	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6	
MLK Community Center	22	1	10	LOCKER ROOM	Locker Room		FALSE	4' Vanity	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
MLK Community Center	23	1	10	LOCKER ROOM	Locker Room		FALSE	1x4 Rec. Parabolic	FL	F32T8 / 2L Electronic	1	1	5	5	5	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	5	5	
MLK Community Center	24	1	10A	LOCKER ROOM	Custodial Closet	32	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
MLK Community Center	25	1	10B	SHOWER	Locker Room - Showers	36	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
MLK Community Center	26	1	10B	SHOWER	Locker Room - Showers		FALSE	Recessed Can	CFL	CFL 13w PL / CFL	1	1	2	2	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	2	2	
MLK Community Center	27	1	11	FOYER	Corridor / Hallway	30	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	3	3	
MLK Community Center	28	1	11	FOYER	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
MLK Community Center	29	1	12	GYM	Gymnasium - Court	30	FALSE	LED - High Bay	LED	Integral LED / Integral LED Driver	1	1	20	20	20	DND - Existing LED	N/A / N/A	20	20	
MLK Community Center	30	1	12	GYM	Gymnasium - Court		FALSE	Wall Pack - FCT - UpLight	HID	175w MH / HID-175	1	1	20	20	20	Replace fixture with LED Architectural Sconce - mount as uplight (66w / 11637lm)	Integral LED / Integral LED Driver	20	20	
MLK Community Center	31	1	12	GYM	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	4	4	0	DND - Existing LED	N/A / N/A	4	4	
MLK Community Center	32	1	13		Storage - General	27	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	5	10	5	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	5	10	
MLK Community Center	33	1	14		Multi Purpose	47	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	24	72	24	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	24	24	

BUILDING / ROOM INFORMATION								EXISTING SYSTEM							PROPOSED SYSTEM					
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
MLK Community Center	34	1	14		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	3	3	0	DND - Existing LED	N/A / N/A	3	3	
MLK Community Center	35	1	15	CLASSROOM	Classroom - General	53	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	9	27	9	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	9	9	
MLK Community Center	36	1	15	CLASSROOM	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
MLK Community Center	37	1	14A		Restroom - Public	9	FALSE	Wall Brick	CFL	CFL 13w PL / CFL	1	1	1	1	1	Replace fixture with LED Vandal Resistant Wall Brick (19w / 1450lm)	Integral LED / Integral LED Driver	1	1	
MLK Community Center	38	1	16		Classroom - General	55	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
MLK Community Center	39	1	17		Restroom - Public	9	FALSE	Wall Brick	CFL	CFL 13w PL / CFL	1	1	1	1	1	Replace fixture with LED Vandal Resistant Wall Brick (19w / 1450lm)	Integral LED / Integral LED Driver	1	1	
MLK Community Center	40	1	18		Classroom - General	51	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
MLK Community Center	41	1	18		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
MLK Community Center	42	1	19		Corridor / Hallway	44	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
MLK Community Center	43	1	19		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
MLK Community Center	44	1	20		Office - Private		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
MLK Community Center	45	1	21	LOBBY	Lobby Area - Main	49	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	
MLK Community Center	46	1	21	LOBBY	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
MLK Community Center	47	1	22		Office - Private		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
MLK Community Center	48	1	23		Multi Purpose	55	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	25	75	25	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	25	25	
MLK Community Center	49	1	23		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	3	3	0	DND - Existing LED	N/A / N/A	3	3	
MLK Community Center	50	1	24		Storage - General	47	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	7	21	7	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	7	7	
MLK Community Center	51	1	25		Kitchen - Prep / Cook Area	53	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	8	24	8	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	8	8	
MLK Community Center	52	1	26		Restroom - Public	20	FALSE	Ceiling Drum	CFL	CFL 13w PL / CFL	2	2	1	2	2	Replace fixture with LED Surface Drum	Integral LED / Integral LED Driver	1	1	
MLK Community Center	53	1	27		Restroom - Public	20	FALSE	Ceiling Drum	CFL	CFL 13w PL / CFL	2	2	1	2	2	Replace fixture with LED Surface Drum	Integral LED / Integral LED Driver	1	1	
MLK Community Center	54	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Pack - FLD	HID	250w MH / HID-250	1	1	8	8	8	Replace fixture with LED Vandal Resistant Wall Pack (75w / 9000lm)	Integral LED / Integral LED Driver	8	8	
MLK Community Center	55	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Pack (small)	LED	Integral LED / Integral LED Driver	1	1	3	3	3	DND - Existing LED	N/A / N/A	3	3	
MLK Community Center	56	1	EXT	EXTERIOR	Exterior - Building		FALSE	Surface Mount	CFL	CFL 13w Screw in / Integral CFL	2	0	6	12	0	Replace fixture with LED Surface Mount Silescent Downlight	Integral LED / Integral LED Driver	6	6	
MLK Community Center	57	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Brick	CFL	CFL 13w PL / CFL	1	1	1	1	1	Replace fixture with LED Vandal Resistant Wall Brick (19w / 1450lm)	Integral LED / Integral LED Driver	1	1	
MLK Community Center	58	1	EXT	EXTERIOR	Exterior - Building		FALSE	Recessed Square 12"	HID	100w MH / HID-100	1	1	2	2	2	Replace fixture with LED Surface Mount Silescent Downlight	Integral LED / Integral LED Driver	2	2	
MLK Community Center	59	1	EXT	EXTERIOR	Exterior - Parking / Grounds		FALSE	Cobrahead	HID	250w MH / HID-250	1	1	3	3	3	Replace fixture with LED Area Luminaire - utilize existing mast arm (54w / 9377lm)	Integral LED / Integral LED Driver	3	3	
MLK Community Center	60	1	EXT	EXTERIOR	Exterior - Parking / Grounds		FALSE	Shoebox	HID	250w MH / HID-250	1	1	2	2	2	Replace fixture with LED Area Luminaire - replace tenon slipfitter - 1 @ 90 (54w / 9377lm)	Integral LED / Integral LED Driver	2	2	
MLK Community Center	61	1	EXT	EXTERIOR	Exterior - Parking / Grounds		FALSE	Shoebox	HID	250w MH / HID-250	2	2	4	8	8	Replace fixtures with (2) LED Area Luminaires - replace tenon slipfitter - 2 @ 180 (108w / 18754lm)	Integral LED / Integral LED Driver	4	8	
100% Savings													271	533	248			271	302	0
Project Savings													271	533	248			271	302	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Golf Course Service	1884.00	1		Service Road	Exterior - Parking / Grounds		FALSE	Shoebox	HID	150w HPS / HID-150	1	1	10	10	10	Replace fixture with Autobahn Micro LED - mount with UMR Arm utilizing existing pole.	Integral LED / Integral LED Driver	10	10	
100% Savings													10	10	10			10	10	0
Project Savings													10	10	10			10	10	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors / N) (Y	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
MLK Community Center - Sports Lighting	62	1	EXT	EXTERIOR	Exterior - Sports Lighting		FALSE	Sports Lighter (2 Head)	HID	1000w MH / HID-1000	2	2	2	4	4	Replace fixtures with (2) LED SportsLighter (900w / 117000lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	2	4	
MLK Community Center - Sports Lighting	63	1		EXTERIOR	Exterior - Sports Lighting		FALSE	Sports Lighter (2 Head)	HID	1000w MH / HID-1000	2	2	6	12	12	Replace fixtures with (2) LED SportsLighter (900w / 117000lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	6	12	
MLK Community Center - Sports Lighting	64	1	EXT	EXTERIOR	Exterior - Sports Lighting		FALSE	Sports Lighter (2 Head)	HID	1000w MH / HID-1000	2	2	2	4	4	Replace fixtures with (2) LED SportsLighter (900w / 117000lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	2	4	
100% Savings													10	20	20			10	20	0
Project Savings													10	20	20			10	20	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM					PROPOSED OCCUPANCY SENSORS		
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors / N) (Y	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver	% Reduction	Qty	Sensor
Oak Lake Community	65	1	1	COMMUNITY ROOM	Multi Purpose	73	FALSE	4' Wrap	FL	F32T8 / 3L Electronic	3	1	19	57	19	Retrofit fixture with (3) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	19	57		30.00%	1	CMPDT10
Oak Lake Community	66	1	1	COMMUNITY ROOM	Multi Purpose		FALSE	2' Wall Bracket	FL	F17T8 / 2L Electronic	2	1	5	10	5	Retrofit fixture with (2) 2' T8 LED Linear Tube and Normal Power LED Driver	KT-LED8T8-24G-840-E / KTLED-2LT8-UV-12C-VDIM	5	10		30.00%	0	Controlled by Proposed Sensor
Oak Lake Community	67	1	1	COMMUNITY ROOM	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	3	3	0	DND - Existing LED	N/A / N/A	3	3		0.00%	0	N/A
Oak Lake Community	68	1	2		Storage - General	60	FALSE	4' Wrap	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with (3) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	2	6		30.00%	1	WSX-PDT-SA-WH
Oak Lake Community	69	1	3		Vestible / Foyer	21	FALSE	Surface Mount	CFL	CFL 26w PL / CFL	2	1	1	2	1	Replace fixture with LED Surface Drum	Integral LED / Integral LED Driver	1	1		30.00%	1	WSX-PDT-SA-WH
Oak Lake Community	70	1	4B		Restroom - Public	44	FALSE	4' Wrap	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with (3) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	3		30.00%	1	WSX-PDT-SA-WH
Oak Lake Community	71	1	4		Vestible / Foyer	21	FALSE	Surface Mount	CFL	CFL 26w PL / CFL	2	1	1	2	1	Replace fixture with LED Surface Drum	Integral LED / Integral LED Driver	1	1		30.00%	1	WSX-PDT-SA-WH
Oak Lake Community	72	1	4A		Restroom - Public	44	FALSE	4' Wrap	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with (3) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	3		30.00%	1	WSX-PDT-SA-WH
Oak Lake Community	73	1	EXT	EXTERIOR	Exterior - Parking / Grounds		FALSE	Shoebox	HID	175w MH / HID-175	1	1	6	6	6	Replace fixture with LED Area Luminaire - replace tenon slipfitter - 1 @ 90 (51w / 7,096lm)	Integral LED / Integral LED Driver	6	6		0.00%	6	UbiCell Node
Oak Lake Community	74	1	EXT	EXTERIOR	Exterior - Building		FALSE	Surface	HID	100w MH / HID-100	1	1	6	6	6	Replace fixture with 2' LED Vapor Tight	Integral LED / Integral LED Driver	6	6		0.00%	0	N/A
Oak Lake Community	75	1	EXT	PARKING LOT	Exterior - Parking / Grounds		FALSE	Shoebox	HID	250w MH / HID-250	1	1	3	3	3	Replace fixture with LED Area Luminaire - replace tenon slipfitter - 1 @ 90 (54w / 8377lm)	Integral LED / Integral LED Driver	3	3		0.00%	3	UbiCell Node
100% Savings													48	101	45			48	99	0			
Project Savings													48	101	45			48	99	0		15	

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Driftwood Community Center	76	1	100	LOBBY	Lobby Area - Main	38	FALSE	Recessed Can 10" - Horz	CFL	CFL 32w PL / CFL	1	1	8	8	8	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL01)	Integral LED / Integral LED Driver	8	8	
Driftwood Community Center	77	1	100	LOBBY	Lobby Area - Main		FALSE	Recessed Can 10" - Horz - Emergency	CFL	CFL 32w PL / CFL	1	1	2	2	2	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL01) - Emergency Battery	Integral LED / Integral LED Driver	2	2	
Driftwood Community Center	78	1	100	LOBBY	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Driftwood Community Center	79	1	101	OFFICE	Office - Open	77	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	5	20	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	
Driftwood Community Center	80	1	103		Electrical	22	FALSE	4' Strip	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Driftwood Community Center	81	1	103		Corridor / Hallway	17	FALSE	Recessed Can 6" - Vert	CFL	CFL 26w PL / CFL	1	1	2	2	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	2	2	
Driftwood Community Center	82	1	103		Corridor / Hallway		FALSE	Recessed Can 6" - Vert - Emergency Battery	CFL	CFL 26w PL / CFL	1	1	1	1	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01) - Emergency Battery	Integral LED / Integral LED Driver	1	1	
Driftwood Community Center	83	1	103		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Driftwood Community Center	84	1	114		Vestible / Foyer	14	FALSE	Recessed Can 6" - Vert	CFL	CFL 26w PL / CFL	1	1	1	1	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Driftwood Community Center	85	1	114		Vestible / Foyer		FALSE	Recessed Can 6" - Vert - Emergency Battery	CFL	CFL 26w PL / CFL	1	1	1	1	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01) - Emergency Battery	Integral LED / Integral LED Driver	1	1	
Driftwood Community Center	86	1	115	MEETING ROOM	Multi Purpose	65	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6	
Driftwood Community Center	87	1	115	MEETING ROOM	Multi Purpose		FALSE	2x4 Rec. Parabolic - Emergency	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	2	2	
Driftwood Community Center	88	1	115	MEETING ROOM	Multi Purpose		FALSE	Recessed Can Dim	INC	I100A / N/A	1	0	8	8	0	Retrofit fixture with 8" LED Recessed Can Kit (Triac Dimming)	Integral LED / Integral LED Driver	8	8	
Driftwood Community Center	89	1	115A		Storage - General	49	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Driftwood Community Center	90	1	116		Restroom - Public	36	FALSE	1x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Driftwood Community Center	91	1	117		Office - Private	64	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	1	4	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Driftwood Community Center	92	1	117		Office - Private		FALSE	2x4 Rec. Parabolic - Emergency	FL	F32T8 / 4L Electronic	4	1	1	4	1	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	1	1	
Driftwood Community Center	93	1	112B		Multi Purpose	52	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	9	36	9	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	9	9	
Driftwood Community Center	94	1	112B		Multi Purpose		FALSE	2x4 Rec. Parabolic - Emergency	FL	F32T8 / 4L Electronic	4	1	2	8	2	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	2	2	
Driftwood Community Center	95	1	112B		Multi Purpose		FALSE	Recessed Can Dim	INC	I100A / N/A	1	0	6	6	0	Retrofit fixture with 8" LED Recessed Can Kit (Triac Dimming)	Integral LED / Integral LED Driver	6	6	
Driftwood Community Center	96	1	112B		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Driftwood Community Center	97	1	112G		Storage - General	43	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
Driftwood Community Center	98	1	112A		Multi Purpose	51	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	12	48	12	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	12	12	
Driftwood Community Center	99	1	112A		Multi Purpose		FALSE	2x4 Rec. Parabolic - Emergency	FL	F32T8 / 4L Electronic	4	1	4	16	4	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	4	4	
Driftwood Community Center	100	1	112A		Multi Purpose		FALSE	Recessed Can Dim	INC	I100A / N/A	1	0	8	8	0	Retrofit fixture with 8" LED Recessed Can Kit (Triac Dimming)	Integral LED / Integral LED Driver	8	8	
Driftwood Community Center	101	1	112A		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
Driftwood Community Center	102	1	112E		Storage - General	22	FALSE	Recessed Can 6" - Vert	CFL	CFL 26w PL / CFL	1	1	1	1	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Driftwood Community Center	103	1	112C		Storage - General	40	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Driftwood Community Center	104	1	112D		Storage - General	40	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Driftwood Community Center	105	1	109		Kitchen	39	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	

Driftwood Community Center	106	1	109A		Storage - General	38	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	1	4	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Driftwood Community Center	107	1	110		Custodial Closet	34	FALSE	4' Strip	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Driftwood Community Center	108	1	111		Corridor / Hallway	14	FALSE	Recessed Can 6" - Vert	CFL	CFL 26w PL / CFL	1	1	3	3	3	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	3	3	
Driftwood Community Center	109	1	111		Corridor / Hallway		FALSE	Recessed Can 6" - Vert - Emergency Battery	CFL	CFL 26w PL / CFL	1	1	1	1	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01) - Emergency Battery	Integral LED / Integral LED Driver	1	1	
Driftwood Community Center	110	1	111		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Driftwood Community Center	111	1	107		Restroom - Public	78	FALSE	1x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	7	14	7	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	7	14	
Driftwood Community Center	112	1	107		Restroom - Public		FALSE	1x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver - Emergency Battery Back Up	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Driftwood Community Center	113	1	108		Restroom - Public	55	FALSE	1x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	7	14	7	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	7	14	
Driftwood Community Center	114	1	106		Server / Com Room	39	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Driftwood Community Center	115	1	113		Mechanical Room		FALSE	4' Strip	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6	
Driftwood Community Center	116	1	105		Classroom - General	89	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	12	48	24	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	12	12	
Driftwood Community Center	117	1	105		Classroom - General		FALSE	Recessed Can 6" - Vert	CFL	CFL 26w PL / CFL	1	1	2	2	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	2	2	
Driftwood Community Center	118	1	105		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Driftwood Community Center	119	1	104A		Multi Purpose	45	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6	
Driftwood Community Center	120	1	104A		Multi Purpose		FALSE	Recessed Can Dim	INC	I100A / N/A	1	0	6	6	0	Retrofit fixture with 8" LED Recessed Can Kit (Triac Dimming)	Integral LED / Integral LED Driver	6	6	
Driftwood Community Center	121	1	104A		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
Driftwood Community Center	122	1	105A		Storage - General	48	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Driftwood Community Center	123	1	104F		Storage - General	49	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Driftwood Community Center	124	1	104B		Multi Purpose	45	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	9	27	9	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	9	9	
Driftwood Community Center	125	1	104B		Multi Purpose		FALSE	Recessed Can Dim	INC	I100A / N/A	1	0	9	9	0	Retrofit fixture with 8" LED Recessed Can Kit (Triac Dimming)	Integral LED / Integral LED Driver	9	9	
Driftwood Community Center	126	1	104B		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
Driftwood Community Center	127	1	104E		Storage - General	40	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Driftwood Community Center	128	1	104C		Multi Purpose	45	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6	
Driftwood Community Center	129	1	104C		Multi Purpose		FALSE	Recessed Can Dim	INC	I100A / N/A	1	0	6	6	0	Retrofit fixture with 8" LED Recessed Can Kit (Triac Dimming)	Integral LED / Integral LED Driver	6	6	
Driftwood Community Center	130	1	104C		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
Driftwood Community Center	131	1	104D		Storage - General	41	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Driftwood Community Center	132	1	118		Mechanical Room	33	FALSE	4' Strip	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6	
Driftwood Community Center	133	1	102		Corridor / Hallway	15	FALSE	Recessed Can 6" - Vert	CFL	CFL 26w PL / CFL	1	1	9	9	9	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	9	9	
Driftwood Community Center	134	1	102		Corridor / Hallway		FALSE	Recessed Can 6" - Vert - Emergency Battery	CFL	CFL 26w PL / CFL	1	1	2	2	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01) - Emergency Battery	Integral LED / Integral LED Driver	2	2	
Driftwood Community Center	135	1	102		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	3	3	0	DND - Existing LED	N/A / N/A	3	3	
Driftwood Community Center	136	1	119		Mail Room / Distribution Center	51	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Driftwood Community Center	137	1		OFFICE	Office - Private	20	FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	1	1	4	4	4	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	4	4	
Driftwood Community Center	138	1		MENS ROOM	Restroom - Public	36	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	5	10	5	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	5	10	
Driftwood Community Center	139	1		MENS ROOM	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	

Driftwood Community Center	140	1		JANITOR	Custodial Closet	15	FALSE	2' Wrap	FL	F17T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 2' T8 LED Linear Tube and Normal Power LED Driver	KT-LED8T8-24G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Driftwood Community Center	141	1		WOMENS ROOM	Restroom - Public	33	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	6	12	6	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	6	12	
Driftwood Community Center	142	1		WOMENS ROOM	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
Driftwood Community Center	143	1		PUMP ROOM	Pump House		FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	10	20	10	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	10	20	
Driftwood Community Center	144	1	EXT	EXTERIOR	Exterior - Parking / Grounds		FALSE	Shoebox	HID	400w HPS / HID-400	1	1	9	9	9	Replace fixture with LED Area Luminaire - replace tenon slipfitter - 1 @ 90 (136w / 19874lm)	Integral LED / Integral LED Driver	9	9	
Driftwood Community Center	145	1	EXT	EXTERIOR	Exterior - Parking / Grounds		FALSE	Shoebox (2 Head)	HID	400w MH / HID-400	2	2	2	4	4	Replace fixtures with (2) LED Area Luminaire - replace tenon slipfitter 2 @ 180 (272w / 39748lm)	Integral LED / Integral LED Driver	2	4	
Driftwood Community Center	146	1	EXT	EXTERIOR	Exterior - Parking / Grounds		FALSE	Flood	HID	1000w MH / HID-1000	1	1	1	1	1	Replace fixture with LED High Lumen Flood - utilize existing SF Arm mount on pole illuminating flag	Integral LED / Integral LED Driver	1	1	
Driftwood Community Center	147	1	EXT	EXTERIOR	Exterior - Parking / Grounds		FALSE	Surface	HID	100w MH / HID-100	1	1	6	6	6	Replace fixture with LED Surface Mount Silescent Downlight	Integral LED / Integral LED Driver	6	6	
Driftwood Community Center	148	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Mount - Round	HID	100w MH / HID-100	1	1	6	6	6	Replace fixture with LED Vandal Resistant Wall Brick (19w / 1450lm)	Integral LED / Integral LED Driver	6	6	
Driftwood Community Center	149	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Mount - Round	HID	100w MH / HID-100	1	1	6	6	6	Replace fixture with LED Vandal Resistant Wall Brick (19w / 1450lm)	Integral LED / Integral LED Driver	6	6	
Driftwood Community Center	150	1	EXT	EXTERIOR	Exterior - Parking / Grounds		FALSE	Surface	HID	100w MH / HID-100	1	1	2	2	2	Replace fixture with LED Surface Mount Silescent Downlight	Integral LED / Integral LED Driver	2	2	
100% Savings													275	565	230			275	325	0
Project Savings													275	565	230			275	325	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors / N) (Y	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Driftwood Community Center - Pool Lighting	151	1	EXT	EXTERIOR	Exterior - Sports Lighting		FALSE	Sports Lighter (2 Head)	HID	1000w MH / HID-1000	2	2	4	8	8	Replace fixtures with (2) LED SportsLighter (900w / 117000lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	4	8	
Driftwood Community Center - Sports Lighting	2000.00	1		Racquetball Courts	Exterior - Sports Lighting		FALSE	Flood (2 Head)	HID	1000w MH / HID-1000	2	2	4	8	8	Replace fixture with LED SportsLighter (450w / 58500lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	4	4	
Driftwood Community Center - Sports Lighting	2001.00	1		Racquetball Courts	Exterior - Sports Lighting		FALSE	Sports Lighter (2 Head)	HID	1000w MH / HID-1000	2	2	2	4	4	Replace fixtures with (2) LED SportsLighter (900w / 117000lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	2	4	
Driftwood Community Center - Sports Lighting	2002.00	1		Basketball Courts	Exterior - Sports Lighting		FALSE	Sports Lighter (5 Head)	HID	1000w MH / HID-1000	5	5	4	20	20	Replace fixtures with (5) LED SportsLighter (2250w / 292500lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	4	20	
Driftwood Community Center - Sports Lighting	2003.00	1		Tennis Courts	Exterior - Sports Lighting		FALSE	Sports Lighter (6 Head)	HID	1000w MH / HID-1000	6	6	4	24	24	Replace fixtures with (6) LED SportsLighter (2700w / 351000lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	4	24	
100% Savings													18	64	64			18	60	0
Project Savings													18	64	64			18	60	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Boulevard Heights Community Center	152	1	100	LOBBY	Lobby Area - Main	40	TRUE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	5	10	5	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	5	5	
Boulevard Heights Community Center	153	1	100	LOBBY	Lobby Area - Main		TRUE	Recessed Can 6" - Vert	CFL	CFL 26w PL / CFL	1	1	12	12	12	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	12	12	
Boulevard Heights Community Center	154	1	100	LOBBY	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Boulevard Heights Community Center	155	1	101	RECEPTION	Office - Open	33	TRUE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2	
Boulevard Heights Community Center	156	1	104		Workroom	54	TRUE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	4	4	
Boulevard Heights Community Center	157	1	105		Office - Private		TRUE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2	
Boulevard Heights Community Center	158	1	106		Office - Private	48	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2	
Boulevard Heights Community Center	159	1	107		Storage - Equipment	32	TRUE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	1	1	
Boulevard Heights Community Center	160	1	114		Restroom - Public	52	TRUE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	4	4	
Boulevard Heights Community Center	161	1	113		Restroom - Public	52	TRUE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	4	4	
Boulevard Heights Community Center	162	1	128		Custodial Closet	38	TRUE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	1	1	
Boulevard Heights Community Center	163	1	115	PRESCHOOL	Classroom - General	58	TRUE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	13	26	13	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	13	13	
Boulevard Heights Community Center	164	1	115	PRESCHOOL	Classroom - General		TRUE	2x4 Rec. Acrylic	LED	4" TLED / N/A	2	0	1	2	0	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	1	1	
Boulevard Heights Community Center	165	1	115	PRESCHOOL	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
Boulevard Heights Community Center	166	1	117		Storage - General		TRUE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2	
Boulevard Heights Community Center	167	1	119		Storage - General		TRUE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2	
Boulevard Heights Community Center	168	1	C1		Corridor / Hallway	44	TRUE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	5	10	5	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	5	5	
Boulevard Heights Community Center	169	1	C1		Corridor / Hallway		TRUE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2	
Boulevard Heights Community Center	170	1	C1		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	3	3	0	DND - Existing LED	N/A / N/A	3	3	
Boulevard Heights Community Center	171	1	118		Storage - General		FALSE	2x4 Rec. Volumetric	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2	
Boulevard Heights Community Center	172	1	121		Multi Purpose	40	TRUE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	11	22	11	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	11	11	
Boulevard Heights Community Center	173	1	121		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Boulevard Heights Community Center	174	1	122		Storage - General		TRUE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2	
Boulevard Heights Community Center	175	1	123		Multi Purpose	60	TRUE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	9	18	9	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	9	9	
Boulevard Heights Community Center	176	1	123		Multi Purpose		TRUE	2x4 Rec. Acrylic	LED	4" TLED / N/A	2	0	2	4	0	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2	
Boulevard Heights Community Center	177	1	123		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
Boulevard Heights Community Center	178	1	125		Multi Purpose	58	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	11	22	11	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	11	11	
Boulevard Heights Community Center	179	1	125		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
Boulevard Heights Community Center	180	1	C2		Corridor / Hallway	42	TRUE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	7	14	7	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	7	7	
Boulevard Heights Community Center	181	1	C2		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	

Boulevard Heights Community Center	182	1	108		Multi Purpose	64	TRUE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	28	112	56	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	28	28	
Boulevard Heights Community Center	183	1	108		Multi Purpose		TRUE	2x4 Rec. Acrylic	LED	4' TLED / 4L Electronic	4	1	2	8	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Boulevard Heights Community Center	184	1	108		Multi Purpose		TRUE	Recessed Can 6" Dim	INC	75w Incandescent / N/A	1	0	28	28	0	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	28	28	
Boulevard Heights Community Center	185	1	108		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	4	4	0	DND - Existing LED	N/A / N/A	4	4	
Boulevard Heights Community Center	186	1	110		Kitchen	61	TRUE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Boulevard Heights Community Center	187	1	110		Kitchen		TRUE	2x4 Rec. Acrylic	LED	4' TLED / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Boulevard Heights Community Center	188	1	110		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
Boulevard Heights Community Center	189	1	116		Restroom - Public	39	TRUE	1x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Boulevard Heights Community Center	190	1	126		Mechanical Room	21	TRUE	4' Strip	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Boulevard Heights Community Center	191	1	127		Mechanical Room	15	TRUE	4' Strip	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Boulevard Heights Community Center	192	1	129		Electrical	21	TRUE	4' Strip	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Boulevard Heights Community Center	193	1	EXT	EXTERIOR	Exterior - Building		FALSE	Recessed Can 6"	INC	I300A / N/A	1	0	4	4	0	Retrofit fixture with Silescent LED 8" Recessed Can Kit - 20w	Integral LED / Integral LED Driver	4	4	
Boulevard Heights Community Center	194	1	EXT	EXTERIOR	Exterior - Building		FALSE	Recessed Can 6" - Horz	CFL	CFL 26w PL / CFL	1	1	7	7	7	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	7	7	
Boulevard Heights Community Center	195	1	EXT	PARKING LOT	Exterior - Parking / Grounds		FALSE	Shoebox	HID	400w HPS / HID-400	1	1	13	13	13	Replace fixture with LED Area Luminaire - replace tenon slipfitter - 1 @ 90 (136w / 19874lm)	Integral LED / Integral LED Driver	13	13	
Boulevard Heights Community Center	196	1	EXT	PARKING LOT	Exterior - Parking / Grounds		FALSE	Shoebox (2 Head)	HID	400w MH / HID-400	2	2	3	6	6	Replace fixtures with (2) LED Area Luminaire - replace tenon slipfitter - 2 @ 180 (272w / 39748lm)	Integral LED / Integral LED Driver	3	6	
Boulevard Heights Community Center	197	1	EXT	WALK PATH	Exterior - Parking / Grounds		FALSE	Shoebox	HID	175w MH / HID-175	1	1	7	7	7	Replace fixture with LED Area Luminaire - replace tenon slipfitter - 1 @ 90 (51w / 7,096lm)	Integral LED / Integral LED Driver	7	7	
Boulevard Heights Community Center	198	1	EXT	FLAG	Exterior - Parking / Grounds		FALSE	Flood	HID	250w MH / HID-250	1	1	1	1	1	Replace fixture with LED Flood -utilize existing SF Mount on pole illuminating flag	Integral LED / Integral LED Driver	1	1	
100% Savings													230	433	207			230	241	0
Project Savings													230	433	207			230	241	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Boulevard Heights Community Center - Sports Lighting	199	1	EXT	SKATE PARK	Exterior - Sports Lighting		FALSE	Shoebox	HID	1000w MH / HID-1000	1	1	6	6	6	Replace fixture with LED Area Luminaire - replace tenon slipfitter - 1 @ 90 (260w / 46238lm) (Ubicquia)	Integral LED / Integral LED Driver	6	6	
100% Savings													6	6	6			6	6	0
Project Savings													6	6	6			6	6	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors / N) (Y	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fxt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Kay Gailther Community Center	200	1	100		Corridor / Hallway	39	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	
Kay Gailther Community Center	201	1	100		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Kay Gailther Community Center	202	1	100A		Office - Open	44	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Kay Gailther Community Center	203	1	103		Office - Private	77	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Kay Gailther Community Center	204	1	100A		Corridor / Hallway	55	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Kay Gailther Community Center	205	1	104		Multi Purpose	31	TRUE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	16	48	16	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	16	16	
Kay Gailther Community Center	206	1	104		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
Kay Gailther Community Center	207	1	104A		Vestible / Foyer	54	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Kay Gailther Community Center	208	1	104B		Restroom - Public	57	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Kay Gailther Community Center	209	1	104C		Server / Com Room	40	FALSE	4' Wrap	FL	F32T8 / 4L Electronic	4	1	2	8	2	Retrofit fixture with (4) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	2	8	
Kay Gailther Community Center	210	1	107		Restroom - Public	51	TRUE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Kay Gailther Community Center	211	1	108		Restroom - Public	46	TRUE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Kay Gailther Community Center	212	1	108		Restroom - Public		FALSE	4' Vanity	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Kay Gailther Community Center	213	1	100B		Corridor / Hallway	44	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Kay Gailther Community Center	214	1	100B		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Kay Gailther Community Center	215	1	112		Multi Purpose	53	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	13	39	13	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	13	13	
Kay Gailther Community Center	216	1	112		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Kay Gailther Community Center	217	1	102		Multi Purpose	52	TRUE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	9	27	9	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	9	9	
Kay Gailther Community Center	218	1	102		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Kay Gailther Community Center	219	1	101		Office - Private	57	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Kay Gailther Community Center	220	1	101A	101A	Storage - General	38	FALSE	1x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Kay Gailther Community Center	221	1	105	MECHANICAL	Mechanical Room		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Kay Gailther Community Center	222	1	106	STORAGE	Storage - General		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Kay Gailther Community Center	223	1	109	JANITOR	Custodial Closet		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Kay Gailther Community Center	224	1	110	MECH	Mechanical Room		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Kay Gailther Community Center	225	1	111	STORAGE	Storage - General		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Kay Gailther Community Center	226	1	EXT	EXTERIOR	Exterior - Building		FALSE	Recessed Square 12"	HID	100w MH / HID-100	1	1	3	3	3	Replace fixture with LED Surface Mount Silsecent Downlight	Integral LED / Integral LED Driver	3	3	
Kay Gailther Community Center	227	1	EXT	EXTERIOR	Exterior - Building		FALSE	Recessed Can 10"	HID	100w MH / HID Pulse Start	1	1	5	5	5	Replace fixture with LED Surface Mount Silsecent Downlight	Integral LED / Integral LED Driver	5	5	
Kay Gailther Community Center	228	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Pack - FLD	HID	150w MH / HID-150	1	1	4	4	4	Replace fixture with LED Vandal Resistant Wall Pack (45w / 5400lm)	Integral LED / Integral LED Driver	4	4	
Kay Gailther Community Center	229	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Pack - FLD	HID	150w MH / HID-150	1	1	1	1	1	Replace fixture with LED Vandal Resistant Wall Pack (45w / 5400lm)	Integral LED / Integral LED Driver	1	1	
Kay Gailther Community Center	230	1	EXT	PARKING LOT	Exterior - Parking / Grounds		FALSE	Shoebox	HID	400w HPS / HID-400	1	1	5	5	5	Replace fixture with LED Area Luminaire - replace tenon splitter - 1 @ 90 (136w / 19874lm)	Integral LED / Integral LED Driver	5	5	
100% Savings													97	243	91			97	105	0
Project Savings													97	243	91			97	105	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Kay Galther Community Center - Sports Lighting	231	1	EXT	BASKETBALL COURT	Exterior - Sports Lighting		FALSE	Sports Lighter	HID	1000w MH / HID-1000	1	1	4	4	4	Replace fixtures with (2) LED SportsLighter (900w / 117000lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	4	8	
100% Savings													4	4	4			4	8	0
Project Savings													4	4	4			4	8	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM						PROPOSED OCCUPANCY SENSORS		
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver	% Reduction	Qty	Sensor	
Washington Park Community Center	232	1	1	ENTRY	Office - Open	38	TRUE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	3	3		0.00%	0	N/A	
Washington Park Community Center	233	1	1	ENTRY	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1		0.00%	0	N/A	
Washington Park Community Center	234	1	2	CLASSROOM	Classroom - General	54	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	14	42	14	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	14	14		30.00%	2	CMPDT10	
Washington Park Community Center	235	1	2	CLASSROOM	Classroom - General		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	4	4		30.00%	0	Controlled by Proposed Sensor	
Washington Park Community Center	236	1	2	CLASSROOM	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2		0.00%	0	N/A	
Washington Park Community Center	237	1	3	KITCHEN	Kitchen	66	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2		30.00%	1	WSX-PDT-SA-WH	
Washington Park Community Center	238	1	3	KITCHEN	Kitchen		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	1	1		30.00%	0	Controlled by Proposed Sensor	
Washington Park Community Center	239	1	3	BATHROOM HALL	Kitchen	39	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2		30.00%	1	CMPDT10	
Washington Park Community Center	240	1	3	BATHROOM HALL	Kitchen		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (29w / 4028lm)	Integral LED / Integral LED Driver	1	1		30.00%	0	Controlled by Proposed Sensor	
Washington Park Community Center	241	1	3	BATHROOM HALL	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1		0.00%	0	N/A	
Washington Park Community Center	242	1	4	MENS ROOM	Restroom - Public	22	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	3	3		30.00%	1	CMPDT10	
Washington Park Community Center	243	1	4	MENS ROOM	Restroom - Public		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (29w / 4028lm)	Integral LED / Integral LED Driver	1	1		30.00%	0	Controlled by Proposed Sensor	
Washington Park Community Center	244	1	5	LOCKED CLOSET	Custodial Closet		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2		30.00%	1	WSX-PDT-SA-WH	
Washington Park Community Center	245	1		WOMENS ROOM	Restroom - Public	22	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	3	3		30.00%	1	CMPDT10	
Washington Park Community Center	246	1		WOMENS ROOM	Restroom - Public		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (29w / 4028lm)	Integral LED / Integral LED Driver	1	1		30.00%	0	Controlled by Proposed Sensor	
Washington Park Community Center	247	1		LOCKED CLOSET	Custodial Closet		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2		30.00%	1	WSX-PDT-SA-WH	
Washington Park Community Center	248	1	6	GYM	Gymnasium		FALSE	LED - High Bay	LED	Integral LED / Integral LED Driver	1	1	20	20	20	DND - Existing LED	N/A / N/A	20	20		0.00%	0	N/A	
Washington Park Community Center	249	1	6	GYM	Gymnasium - Seating	30	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	7	14	7	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	7	7		0.00%	0	N/A	
Washington Park Community Center	250	1	6	GYM	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	3	3	0	DND - Existing LED	N/A / N/A	3	3		0.00%	0	N/A	
Washington Park Community Center	251	1	7	GYM CLASSROOM	Classroom - General	50	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5		30.00%	1	CMPDT10	
Washington Park Community Center	252	1	7	GYM CLASSROOM	Classroom - General		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	1	1		30.00%	0	Controlled by Proposed Sensor	
Washington Park Community Center	253	1	8	GYM OFFICE	Office - Open	38	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	3	3		30.00%	1	WSX-PDT-SA-WH	
Washington Park Community Center	254	1	8	GYM OFFICE	Office - Open		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (29w / 4028lm)	Integral LED / Integral LED Driver	1	1		30.00%	0	Controlled by Proposed Sensor	
Washington Park Community Center	255	1	9	GYM STORAGE	Storage - General	44	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2		30.00%	1	WSX-PDT-SA-WH	
Washington Park Community Center	256	1	9	GYM STORAGE	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1		0.00%	0	N/A	
Washington Park Community Center	257	1	10	GYM STORAGE 2	Storage - General	40	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6		30.00%	1	WSX-PDT-SA-WH	
Washington Park Community Center	258	1	11	WEIGHT ROOM	Gymnasium	77	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	10	30	10	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	10	10		30.00%	1	CMPDT10	
Washington Park Community Center	259	1	11	WEIGHT ROOM	Gymnasium		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	2	2		30.00%	0	Controlled by Proposed Sensor	
Washington Park Community Center	260	1	11	WEIGHT ROOM	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2		0.00%	0	N/A	
Washington Park Community Center	270	1	EXT	FRONT ENTRY	Exterior - Building		FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6		0.00%	0	N/A	
Washington Park Community Center	271	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Pack - FLD	HID	250w MH / HID-250	1	1	4	4	4	Replace fixture with LED Vandal Resistant Wall Pack (75w / 9000lm)	Integral LED / Integral LED Driver	4	4		0.00%	0	N/A	
Washington Park Community Center	272	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Pack - FLD	HID	175w MH / HID-175	1	1	9	9	9	Replace fixture with LED Vandal Resistant Wall Pack (75w / 9000lm)	Integral LED / Integral LED Driver	9	9		0.00%	0	N/A	
Washington Park Community Center	273	1	EXT	PARKING LOT	Exterior - Parking / Grounds		FALSE	Shoebox	HID	400w HPS / HID-400	1	1	11	11	11	Replace fixture with LED Area Luminaire - replace tenon splitfltr - 1 @ 90 (136w / 19874lm)	Integral LED / Integral LED Driver	11	11		0.00%	11	Ubicell Node	
Washington Park Community Center	274	1	EXT	PARKING LOT	Exterior - Parking / Grounds		FALSE	Shoebox (2 Head)	HID	400w MH / HID-400	2	2	1	2	2	Replace fixtures with (2) LED Area Luminaire - replace tenon splitfltr - 2 @ 180 (272w / 39748lm)	Integral LED / Integral LED Driver	1	2		0.00%	2	Ubicell Node	
Washington Park Community Center	274.01	1	1	CLASSROOM	Classroom - General	51	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	7	21	7	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	7	7		30.00%	1	CMPDT10	
Washington Park Community Center	274.02	1	1	CLASSROOM	Classroom - General		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	2	2		30.00%	0	Controlled by Proposed Sensor	
Washington Park Community Center	274.03	1	1	CLASSROOM	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1		0.00%	0	N/A	
Washington Park Community Center	274.04	1	2	OFFICE	Office - Private		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1		30.00%	1	WSX-PDT-SA-WH	

Washington Park Community Center	274.05	1	3	CLOSET	Server / Com Room	44	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1		30.00%	1	WSX-POT-SA-IWH							
Washington Park Community Center	274.06	1	4	JANITOR	Custodial Closet	33	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		30.00%	1	WSX-POT-SA-IWH							
Washington Park Community Center	274.07	1	5	ELECTRICAL ROOM	Electrical	34	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		0.00%	0	N/A							
Washington Park Community Center	274.08	1	6	FIELD STORAGE	Storage - General	32	FALSE	4' Strip	FL	F32T8 / 2L Electronic	2	1	5	10	5	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	5	10		30.00%	1	CMPTD10							
Washington Park Community Center	274.09	1	6	FIELD STORAGE	Storage - General		FALSE	4' Strip - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver - Emergency Battery Back Up	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		30.00%	0	Controlled by Proposed Sensor							
Washington Park Community Center	275	1	EXT	EXTERIOR	Exterior - Building		FALSE	Surface Mount	CFL	CFL 26w PL / CFL	2	1	6	12	6	Replace fixture with LED Surface Mount Silescet Downlight	Integral LED / Integral LED Driver	6	6		0.00%	0	N/A							
Washington Park Community Center	276	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Pack - FLD	HID	175w MH / HID-175	1	1	5	5	5	Replace fixture with LED Vandal Resistant Wall Pack (75w / 9000lm)	Integral LED / Integral LED Driver	5	5		0.00%	0	N/A							
Washington Park Community Center	277	1	EXT	EXTERIOR	Exterior - Building		FALSE	Flood	HID	100w MH / HID-100	1	1	1	1	1	Replace fixture with LED Flood (56w /7680lm)	Integral LED / Integral LED Driver	1	1		0.00%	0	N/A							
Washington Park Community Center	278	1	7	STORAGE	Storage - General		FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6		0.00%	0	N/A							
Washington Park Community Center	279	1	8	STORAGE	Storage - General		FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		0.00%	0	N/A							
Washington Park Community Center	280	1	8	STORAGE	Storage - General		FALSE	4' Wrap - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver - Emergency Battery Back Up	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		0.00%	0	N/A							
Washington Park Community Center	281	1	9	CONCESSION ROOM	Kitchen		FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	4	8		0.00%	0	N/A							
Washington Park Community Center	282	1	9	CONCESSION ROOM	Kitchen		FALSE	4' Wrap - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver - Emergency Battery Back Up	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		0.00%	0	N/A							
Washington Park Community Center	283	1	10	WOMENS ROOM	Restroom - Public		FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6		0.00%	0	N/A							
Washington Park Community Center	284	1	10	WOMENS ROOM	Restroom - Public		FALSE	4' Wrap - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver - Emergency Battery Back Up	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		0.00%	0	N/A							
Washington Park Community Center	285	1	11	MENS ROOM	Restroom - Public		FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6		0.00%	0	N/A							
Washington Park Community Center	286	1	11	MENS ROOM	Restroom - Public		FALSE	4' Wrap - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver - Emergency Battery Back Up	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		0.00%	0	N/A							
100% Savings																				183	355	173			183	218	0			
Project Savings																					183	355	173			183	218	0		31

100% Savings Factor

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Washington Park Community Center - Sports Lighting	287	1	EXT	BASKETBALL COURT	Exterior - Sports Lighting		FALSE	Sports Lighter (3 Head)	HID	1000w MH / HID-1000	3	3	2	6	6	Replace fixtures with (3) LED SportsLighter (1350w / 175500lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	2	6	
Washington Park Community Center - Sports Lighting	288	1	EXT	RACQUETBALL COURT	Exterior - Sports Lighting		FALSE	Sports Lighter	HID	1000w MH / HID-1000	1	1	4	4	4	Replace fixture with LED SportsLighter (450w / 58500lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	4	4	
100% Savings													6	10	10			6	10	0
Project Savings													6	10	10			6	10	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	# Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Rotary Park	289	1	102	MEETING ROOM	Multi Purpose	51	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	11	33	11	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	11	11	
Rotary Park	290	1	102	MEETING ROOM	Multi Purpose		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	3	3	
Rotary Park	291	1	102	MEETING ROOM	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
Rotary Park	291.01	1		TROPHY CASES	Multi Purpose		FALSE	Recessed Can 4"	INC	50MR16 / N/A	1	0	12	12	0	Retrofit fixture with 4" LED Recessed Can Kit (LBR4-AL01)	Integral LED / Integral LED Driver	12	12	
Rotary Park	292	1	102A	STORAGE RPP	Storage - General	51	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Rotary Park	293	1	102A	STORAGE RPP	Storage - General		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	1	1	
Rotary Park	294	1	102B	LAN ROOM	Server / Com Room	49	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Rotary Park	295	1	102B	LAN ROOM	Server / Com Room		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	1	1	
Rotary Park	296	1	104A	SECURE STORAGE	Storage - General	37	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Rotary Park	297	1	104A	SECURE STORAGE	Storage - General		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	1	1	
Rotary Park	298	1	104B	FIELD STORAGE	Storage - General	41	FALSE	4' Strip	FL	F32T8 / 2L Electronic	2	1	9	18	9	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	9	18	
Rotary Park	299	1	104B	FIELD STORAGE	Storage - General		FALSE	4' Strip - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver - Emergency Battery Back Up	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6	
Rotary Park	300	1	105	CONCESSIONS	Kitchen	34	TRUE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	6	12	6	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	6	12	
Rotary Park	301	1	105	CONCESSIONS	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Rotary Park	302	1	109	CUSTODIAL ROOM	Custodial Closet	22	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Rotary Park	303	1	108	WOMENS ROOM	Restroom - Public	39	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Rotary Park	304	1	108	WOMENS ROOM	Restroom - Public		FALSE	4' Vapor tight	LED	Integral LED / Integral LED Driver	1	1	7	7	7	DND - Existing LED	N/A / N/A	7	7	
Rotary Park	305	1	107	MENS ROOM	Restroom - Public	55	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	6	12	6	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	6	12	
Rotary Park	306	1	107	MENS ROOM	Restroom - Public		FALSE	4' Vapor tight	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1	
Rotary Park	307	1	103	ELECTRICAL	Electrical	26	FALSE	4' Strip	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Rotary Park	308	1	103	ELECTRICAL	Electrical		FALSE	4' Strip - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver - Emergency Battery Back Up	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Rotary Park	309	1	101	MUSCO CONTROL ROOM	Electrical	36	FALSE	4' Strip	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	4	8	
Rotary Park	310	1	106	PRCA MAINTENANCE	Workshop	13	FALSE	4' Strip	FL	F32T8 / 2L Electronic	2	1	16	32	16	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	16	32	
Rotary Park	311	1	106	PRCA MAINTENANCE	Workshop		FALSE	4' Strip - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	5	10	5	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver - Emergency Battery Back Up	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	5	10	
Rotary Park	312	1	106A	OFFICE	Office - Private	40	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Rotary Park	312.01	1	EXT	EXTERIOR	Exterior - Building		FALSE	Recessed Can 6" - Vert	CFL	CFL 32w PL / CFL	1	1	42	42	42	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	42	42	
Rotary Park	312.02	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Pack - FCT	HID	150w MH / HID-150	1	1	2	2	2	Replace fixture with LED Vandal Resistant Wall Pack (45w / 5400lm)	Integral LED / Integral LED Driver	2	2	
Rotary Park	313	1	1	MENS ROOM	Restroom - Public	20	TRUE	4' Vapor Tight	LED	4" TLED / N/A	2	0	1	2	0	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Rotary Park	314	1	2	WOMENS ROOM	Restroom - Public	20	FALSE	4' Vapor Tight	LED	4" TLED / N/A	2	0	1	2	0	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Rotary Park	315	1	3	ELECTRICAL ROOM	Electrical	33	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	

Rotary Park	316	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Brick	HID	70w HPS / HID-70	1	1	2	2	2	Replace fixture with LED Vandal Resistant Wall Pack (45w / 5400lm)	Integral LED / Integral LED Driver	2	2	
Rotary Park	317	1	1	MENS ROOM	Restroom - Public	28	TRUE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Rotary Park	318	1	2	WOMENS ROO	Restroom - Public	28	TRUE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Rotary Park	319	1	3	ELECTRICAL	Electrical	29	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Rotary Park	320	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Brick	HID	70w HPS / HID-70	1	1	2	2	2	Replace fixture with LED Vandal Resistant Wall Pack (45w / 5400lm)	Integral LED / Integral LED Driver	2	2	
Rotary Park	321	1	1	STORAGE	Storage - General	26	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Rotary Park	322	1		EXTERIOR	Exterior - Building		FALSE	Wall Brick	HID	70w HPS / HID-70	1	1	1	1	1	Replace fixture with LED Vandal Resistant Wall Pack (45w / 5400lm)	Integral LED / Integral LED Driver	1	1	
Rotary Park	323	1	1	STORAGE	Storage - General	26	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Rotary Park	324	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Brick	HID	70w HPS / HID-70	1	1	1	1	1	Replace fixture with LED Vandal Resistant Wall Pack (45w / 5400lm)	Integral LED / Integral LED Driver	1	1	
100% Savings													160	271	143			160	223	0
Project Savings													160	271	143			160	223	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM					
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver	
David Park Community Center	328	1	1	OPEN AREA	Multi Purpose	40	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	35	140	70	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	35	35		
David Park Community Center	329	1	1	OPEN AREA	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	3	3	0	DND - Existing LED	N/A / N/A	3	3		
David Park Community Center	330	1	2	BARRY OFFICE	Office - Private	73	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2		
David Park Community Center	331	1	3	KITCHEN	Break / Lounge	71	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2		
David Park Community Center	332	1	4	OFFICE	Office - Private	67	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2		
David Park Community Center	333	1	5	SIM LAB	Classroom - General	60	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	15	60	30	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	15	15		
David Park Community Center	334	1	5	SIM LAB	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1		
David Park Community Center	335	1	5A	SIM LAB OFFICE	Office - Open	55	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	6	24	12	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6		
David Park Community Center	336	1	5A	SIM LAB OFFICE	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1		
David Park Community Center	337	1	6	HALL	Corridor / Hallway	57	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3		
David Park Community Center	338	1	6	HALL	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1		
David Park Community Center	339	1	7	HC RESTROOM	Restroom - Public	17	FALSE	Surface Mount	CFL	CFL 13w PL / CFL	2	2	1	2	2	Replace fixture with LED Surface Drum	Integral LED / Integral LED Driver	1	1		
David Park Community Center	340	1	8	MENS RR	Restroom - Public	18	FALSE	Surface Mount	CFL	CFL 13w PL / CFL	2	2	2	4	4	Replace fixture with LED Surface Drum	Integral LED / Integral LED Driver	2	2		
David Park Community Center	341	1	9	WOMENS RR	Restroom - Public	15	FALSE	Surface Mount	CFL	CFL 13w PL / CFL	2	2	3	6	6	Replace fixture with LED Surface Drum	Integral LED / Integral LED Driver	3	3		
David Park Community Center	342	1	10	OFFICE	Office - Open	54	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	6	24	12	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6		
David Park Community Center	343	1	10	OFFICE	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1		
David Park Community Center	344	1	11A	JANITOR	Custodial Closet	16	FALSE	Surface Mount	CFL	CFL 13w PL / CFL	2	2	1	2	2	Replace fixture with LED Surface Drum	Integral LED / Integral LED Driver	1	1		
David Park Community Center	345	1	12	STAGE	Multi Purpose		FALSE	Ceiling Mount	INC	75w Incandescent / N/A	1	0	3	3	0	Relamp fixture with PAR30 LED	KT-LED10PAR30-F-840 / N/A	3	3		
David Park Community Center	346	1	13	SERVER ROOM	Server / Com Room	54	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2		
David Park Community Center	347	1	11	STORAGE	Storage - General	22	FALSE	1x4 Surf. Acrylic	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		
David Park Community Center	348	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Pack (small)	LED	Integral LED / Integral LED Driver	1	1	2	2	2	DND - Existing LED	N/A / N/A	2	2		
David Park Community Center	349	1	EXT	EXTERIOR	Exterior - Building		FALSE	Flood	HID	70w HPS / HID-70	1	1	6	6	6	Replace fixture with LED Flood (37w /5651lm)	Integral LED / Integral LED Driver	6	6		
David Park Community Center	350	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Brick	HID	70w HPS / HID-70	1	1	2	2	2	Replace fixture with LED Vandal Resistant Wall Brick (19w / 1450lm)	Integral LED / Integral LED Driver	2	2		
David Park Community Center	351	1	EXT	EXTERIOR	Exterior - Building		FALSE	Flood	HID	250w MH / HID-250	1	1	1	1	1	Replace fixture with LED Flood (69w /10797lm)	Integral LED / Integral LED Driver	1	1		
David Park Community Center	352	1	EXT	EXTERIOR	Exterior - Building		FALSE	Flood	HID	250w MH / HID-250	1	1	1	1	1	Replace fixture with LED Flood (69w /10797lm)	Integral LED / Integral LED Driver	1	1		
100% Savings													103	330	173			103	104	0	
Project Savings													103	330	173			103	104	0	

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM					PROPOSED OCCUPANCY SENSORS		
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors / N) (Y	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver	% Reduction	Qty	Sensor
ArtsPark Arts B	374	1	2		Electrical	18	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	375	1	113		Office - Private	20	FALSE	LED - Recessed Can 6"	LED	Integral LED / Integral LED Driver	1	1	2	2	2	DND - Existing LED	N/A / N/A	2	2		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	376	1	113		Office - Private		FALSE	Track	INC	I100A / N/A	1	0	10	10	0	DND - Decorative Fixture	N/A / N/A	10	0		30.00%	0	Controlled by Proposed Sensor
ArtsPark Arts B	377	1	112		Restroom - Public	29	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	378	1	111		Restroom - Public	29	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	379	1	C1		Corridor / Hallway		FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	3	6	3	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	3	3		30.00%	1	CMPDT10
ArtsPark Arts B	380	1	C2		Corridor / Hallway	66	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	9	18	9	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	9	9		30.00%	2	CMPDT10
ArtsPark Arts B	381	1	C2		Corridor / Hallway		FALSE	Track	INC	I100A / N/A	1	0	18	18	0	DND - Decorative Fixture	N/A / N/A	18	0		30.00%	0	Controlled by Proposed Sensor
ArtsPark Arts B	382	1	C2		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	3	3	0	DND - Existing LED	N/A / N/A	3	3		0.00%	0	N/A
ArtsPark Arts B	383	1	109		Conference Room - Large	48	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	5	20	10	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5		30.00%	1	CMPDT10
ArtsPark Arts B	384	1	109		Conference Room - Large		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 4L Electronic	4	2	1	4	2	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	1	1		30.00%	0	Controlled by Proposed Sensor
ArtsPark Arts B	385	1	105		Custodial Closet	24	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	386	1	203		Custodial Closet	14	FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	1	1	1	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	1		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	387	1	206		Multi Purpose	55	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	13	52	26	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	13	13		0.00%	0	N/A
ArtsPark Arts B	388	1	206		Multi Purpose		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	2	2		0.00%	0	N/A
ArtsPark Arts B	389	1	206		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2		0.00%	0	N/A
ArtsPark Arts B	390	1	205		Storage - General	63	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	391	1	210		Storage - General	63	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	392	1	209A		Vestibule / Foyer	12	FALSE	Recessed Can 8"- Vart	CFL	CFL 32w PL / CFL	1	1	4	4	4	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL01)	Integral LED / Integral LED Driver	4	4		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	393	1	208		Restroom - Public	30	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	394	1	209		Restroom - Public	30	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	395	1		ROOF MECH 1	Mechanical Room	18	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		0.00%	0	N/A
ArtsPark Arts B	396	1		ELEVATOR LOBBY	Corridor / Hallway	40	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	4	8	4	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	4	4		30.00%	2	CMPDT10
ArtsPark Arts B	397	1		ELEVATOR LOBBY	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1		0.00%	0	N/A
ArtsPark Arts B	398	1	STR1		Stairwell - Interior	19	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6		0.00%	0	N/A
ArtsPark Arts B	399	1	108		Server / Com Room	24	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	4	8		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	400	1	106		Mechanical Room	16	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	5	10	5	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	5	10		0.00%	0	N/A
ArtsPark Arts B	401	1	106		Mechanical Room		FALSE	4' Industrial	LED	4' TLED / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		0.00%	0	N/A
ArtsPark Arts B	402	1	106A		Mechanical Room	18	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		0.00%	0	N/A
ArtsPark Arts B	403	1	104		Restroom - Public	24	FALSE	4' Wall Bracket	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6		0.00%	0	N/A
ArtsPark Arts B	404	1	104		Restroom - Public		FALSE	4' Vanity	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6		0.00%	0	N/A
ArtsPark Arts B	405	1	103		Restroom - Public		FALSE	4' Wall Bracket	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6		0.00%	0	N/A
ArtsPark Arts B	406	1	103		Restroom - Public		FALSE	4' Vanity	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		0.00%	0	N/A
ArtsPark Arts B	407	1	103		Restroom - Public		FALSE	4' Strip	LED	4' TLED / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		0.00%	0	N/A

ArtsPark Arts B	408	1	118		Workshop	72	FALSE	2x4 High Bay	FL	F32T8 / 4L Electronic	6	2	4	24	8	Replace fixture with LED High Bay (101w / 17003lm)	Integral LED / Integral LED Driver	4	4		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	409	1	118		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1		0.00%	0	N/A
ArtsPark Arts B	410	1	116		Office - Private	63	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	411	1	115		Restroom - Public	32	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	412	1	116A		Corridor / Hallway		FALSE	Recessed Can 6" - Vert	CFL	CFL 26w PL / CFL	1	1	2	2	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	2	2		0.00%	0	N/A
ArtsPark Arts B	413	1	114		Workshop	44	FALSE	2x4 High Bay	FL	F32T8 / 4L Electronic	6	2	6	36	12	Replace fixture with LED High Bay (101w / 17003lm)	Integral LED / Integral LED Driver	6	6		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	414	1		MECH 2	Mechanical Room	16	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	4	8		0.00%	0	N/A
ArtsPark Arts B	415	1	212	OUTSIDE MECH AREA	Exterior - Building		FALSE	Wall Pack	HID	150w HPS / HID-150	1	1	2	2	2	Replace fixture with LED Vandal Resistant Wall Pack (45w / 5400lm)	Integral LED / Integral LED Driver	2	2		0.00%	0	N/A
ArtsPark Arts B	416	1	119		Workshop		FALSE	LED - High Bay	LED	Integral LED / Integral LED Driver	1	1	6	6	6	DND - Existing LED	N/A / N/A	6	6		0.00%	0	N/A
ArtsPark Arts B	417	1	119		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1		0.00%	0	N/A
ArtsPark Arts B	418	1	106		Office - Private	49	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	419	1	104		Dressing Room	55	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	4	16	8	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4		30.00%	1	CMPDT10
ArtsPark Arts B	420	1	104		Dressing Room		FALSE	DECO	INC	25w Incandescent / N/A	1	0	102	102	0	Relamp fixture with G25 LED lamp	KT-LED5.SFG25-E26-930-F / N/A	102	102		30.00%	0	Controlled by Proposed Sensor
ArtsPark Arts B	421	1	104		Dressing Room		FALSE	LED - Recessed Can 4"	LED	Integral LED / Integral LED Driver	1	1	3	3	3	DND - Existing LED	N/A / N/A	3	3		30.00%	0	Controlled by Proposed Sensor
ArtsPark Arts B	422	1	104		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1		0.00%	0	N/A
ArtsPark Arts B	423	1	105		Restroom - Public	24	FALSE	4' Wall Bracket	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	424	1	105		Restroom - Public		FALSE	LED - Recessed Can 4"	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1		30.00%	0	Controlled by Proposed Sensor
ArtsPark Arts B	425	1	102		Dressing Room	44	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	426	1	102		Dressing Room		FALSE	DECO	INC	25w Incandescent / N/A	1	0	34	34	0	Relamp fixture with G25 LED lamp	KT-LED5.SFG25-E26-930-F / N/A	34	34		0.00%	0	N/A
ArtsPark Arts B	427	1	103		Restroom - Public	23	FALSE	4' Wall Bracket	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	428	1	103		Restroom - Public		FALSE	LED - Recessed Can 4"	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1		30.00%	0	Controlled by Proposed Sensor
ArtsPark Arts B	429	1	107		Mechanical Room	41	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	1	4	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	430	1	108		Mechanical Room	41	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	1	4	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	431	1	109		Mechanical Room	48	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	1	4	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	432	1	115		Storage - General	34	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	433	1	113		Restroom - Public	23	FALSE	4' Wall Bracket	FL	F32T8 / 2L Electronic	2	1	5	10	5	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	5	10		0.00%	0	N/A
ArtsPark Arts B	434	1	113		Restroom - Public		FALSE	LED - Recessed Can 4"	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1		0.00%	0	N/A
ArtsPark Arts B	435	1	112		Restroom - Public	26	FALSE	4' Wall Bracket	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	436	1	111		Restroom - Public	22	FALSE	4' Wall Bracket	FL	F32T8 / 2L Electronic	2	1	8	16	8	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	8	16		0.00%	0	N/A
ArtsPark Arts B	437	1	111		Restroom - Public		FALSE	LED - Recessed Can 4"	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1		0.00%	0	N/A
ArtsPark Arts B	438	1	114		Storage - General	29	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		30.00%	1	WSX-PDT-SA-WH
ArtsPark Arts B	439	1	101		Warehouse - Loading Dock		FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	16	32	16	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	16	32		0.00%	0	N/A
ArtsPark Arts B	440	1	101		Warehouse - Loading Dock		FALSE	Surface	HID	100w HPS / HID-100	1	1	2	2	2	Replace fixture with LED Surface Mount Silsecent Downlight	Integral LED / Integral LED Driver	2	2		0.00%	0	N/A
ArtsPark Arts B	440.01	1		STAGE AREA	Outdoor Stage		FALSE	2x2 Surface High Bay	FL	PLL 40w Blax / 3L Electronic	6	6	24	144	144	ECM not yet determined	N/A / N/A	24	0		0.00%	0	N/A
ArtsPark Arts B	441	1	EXT	FRONT ENTRY OVERHANG	Exterior - Building		FALSE	Recessed Can 10"	HID	250w MH / HID-250	1	1	13	13	13	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL04) - 10" Cool Ring	Integral LED / Integral LED Driver	13	13		0.00%	0	N/A
ArtsPark Arts B	442	1	EXT	FRONT ENTRY OVERHANG	Exterior - Building		FALSE	Recessed Wall Wash	CFL	CFL 42w PL / CFL	2	1	15	30	15	ECM not yet determined	N/A / N/A	15	0		0.00%	0	N/A
ArtsPark Arts B	443	1	EXT	BLDG SOFIT	Exterior - Building		FALSE	Surface Cylinder	CFL	CFL 42w PL / CFL	2	1	36	72	36	Replace fixture with LED 8" Surface Cylinder (61w / 5361lm)	Integral LED / Integral LED Driver	36	36		0.00%	0	N/A
ArtsPark Arts B	444	1	120	WORKSHOP AREA	Workshop		FALSE	Surface 2x2	HID	250w MH / HID-250	1	1	6	6	6	Replace fixture with LED High Bay (101w / 17003lm)	Integral LED / Integral LED Driver	6	6		0.00%	0	N/A

100% Savings										431	854	424			431	433	0			
Project Savings										431	854	424			431	433	0		33	

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Fred Lippman Community Center	473	1	1		Auditorium - Seating	35	FALSE	2x2 Rec. Volumetric	FL	F17T8 / 2L Electronic	2	1	48	96	48	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	48	48	
Fred Lippman Community Center	474	1	1		Auditorium - Seating		FALSE	LED - Recessed Can 4"	LED	Integral LED / Integral LED Driver	1	1	36	36	36	DND - Existing LED	N/A / N/A	36	36	
Fred Lippman Community Center	475	1	1		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	3	3	0	DND - Existing LED	N/A / N/A	3	3	
Fred Lippman Community Center	476	1	2	STAGE	Auditorium - Stage	18	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Fred Lippman Community Center	477	1	3	KITCHEN	Kitchen	90	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Fred Lippman Community Center	478	1	4		Storage - General	66	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Fred Lippman Community Center	479	1	5	LOBBY	Lobby Area - Main	24	TRUE	2x2 Rec. Volumetric	FL	F17T8 / 2L Electronic	2	1	26	52	26	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	26	26	
Fred Lippman Community Center	480	1	5	LOBBY	Lobby Area - Main		FALSE	Recessed Can 6"	CFL	CFL 13w Screw in / Integral CFL	1	0	12	12	0	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	12	12	
Fred Lippman Community Center	481	1	5	LOBBY	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	3	3	0	DND - Existing LED	N/A / N/A	3	3	
Fred Lippman Community Center	482	1	6	WOMENS RR	Restroom - Public	45	FALSE	1x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6	
Fred Lippman Community Center	483	1	6	WOMENS RR	Restroom - Public		FALSE	LED - Recessed Can 4"	LED	Integral LED / Integral LED Driver	1	1	2	2	2	DND - Existing LED	N/A / N/A	2	2	
Fred Lippman Community Center	484	1	7		Restroom - Public	45	FALSE	1x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Fred Lippman Community Center	485	1	7		Restroom - Public		FALSE	LED - Recessed Can 4"	LED	Integral LED / Integral LED Driver	1	1	2	2	2	DND - Existing LED	N/A / N/A	2	2	
Fred Lippman Community Center	486	1	8		Corridor / Hallway	26	FALSE	LED - Recessed Can 4"	LED	Integral LED / Integral LED Driver	1	1	5	5	5	DND - Existing LED	N/A / N/A	5	5	
Fred Lippman Community Center	487	1	8		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Fred Lippman Community Center	488	1	9		Office - Private	64	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Fred Lippman Community Center	489	1	10		Office - Private	67	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Fred Lippman Community Center	490	1	11		Office - Private	35	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Fred Lippman Community Center	491	1	12		Conference Room	59	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	8	32	16	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	8	8	
Fred Lippman Community Center	492	1	12		Conference Room		FALSE	4' Wall Bracket	FL	F32T8 / 2L Electronic	1	1	3	3	3	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	3	
Fred Lippman Community Center	493	1	13		Break / Lounge	35	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Fred Lippman Community Center	494	1	14		Office - Private	35	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Fred Lippman Community Center	495	1	15		Restroom - Public	53	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	1	4	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Fred Lippman Community Center	496	1	15		Restroom - Public		FALSE	4' Vanity	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fred Lippman Community Center	497	1	16		Classroom - General	37	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	8	32	16	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	8	8	
Fred Lippman Community Center	498	1	16		Classroom - General		FALSE	4' Wall Bracket	FL	F32T8 / 2L Electronic	1	1	4	4	4	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	4	4	
Fred Lippman Community Center	499	1	16B		Storage - General		FALSE	Ceiling Mount	INC	60w Incandescent / N/A	2	0	1	2	0	Replace fixture with LED Surface Drum	Integral LED / Integral LED Driver	1	1	
Fred Lippman Community Center	500	1	16A		Storage - General	16	FALSE	Ceiling Drum	CFL	CFL 13w Screw in / Integral CFL	2	0	2	4	0	Replace fixture with LED Surface Drum	Integral LED / Integral LED Driver	2	2	
Fred Lippman Community Center	501	1	C1		Corridor / Hallway	25	FALSE	2x2 Rec. Volumetric	FL	F17T8 / 2L Electronic	2	1	8	16	8	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	8	8	
Fred Lippman Community Center	502	1	C1		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	3	3	0	DND - Existing LED	N/A / N/A	3	3	

Fred Lippman Community Center	503	1	17		Custodial Closet	18	FALSE	Ceiling Drum	CFL	CFL 13w Screw In / Integral CFL	2	0	1	2	0	Replace fixture with LED Surface Drum	Integral LED / Integral LED Driver	1	1	
Fred Lippman Community Center	504	1	18		Server / Com Room		FALSE	4' Wall Bracket	FL	F32T8 / 2L Electronic	1	1	2	2	2	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	2	
Fred Lippman Community Center	505	1	19		Office - Private	65	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	4	16	8	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
Fred Lippman Community Center	506	1	19		Office - Private		FALSE	4' Wall Bracket	FL	F32T8 / 2L Electronic	1	1	2	2	2	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	2	
Fred Lippman Community Center	507	1	20		Restroom - Public	20	FALSE	4' Vanity	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fred Lippman Community Center	508	1	20		Restroom - Public		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	1	1	
Fred Lippman Community Center	509	1	22		Classroom - General	51	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	10	40	20	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	10	10	
Fred Lippman Community Center	510	1	21		Classroom - General	55	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	10	40	20	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	10	10	
Fred Lippman Community Center	511	1	C2		Corridor / Hallway	25	FALSE	2x2 Rec. Volumetric	FL	F17T8 / 2L Electronic	2	1	5	10	5	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	5	5	
Fred Lippman Community Center	512	1	C2		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
Fred Lippman Community Center	513	1	23		Classroom - General	25	FALSE	2x2 Rec. Volumetric	FL	F17T8 / 2L Electronic	2	1	36	72	36	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	36	36	
Fred Lippman Community Center	514	1	23		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
Fred Lippman Community Center	515	1	25		Restroom - Public	40	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Fred Lippman Community Center	516	1	25		Restroom - Public		FALSE	4' Vanity	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fred Lippman Community Center	517	1	26		Restroom - Public	40	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Fred Lippman Community Center	518	1	26		Restroom - Public		FALSE	4' Vanity	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fred Lippman Community Center	519	1	27		Custodial Closet	95	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	1	4	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Fred Lippman Community Center	520	1	27A		Vestible / Foyer	17	FALSE	2x2 Rec. Volumetric	FL	F17T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fred Lippman Community Center	521	1	27A		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Fred Lippman Community Center	522	1	EXT	COURTYARD	Exterior - Building		FALSE	Recessed Can 8"	CFL	CFL 23w Screw In / Integral CFL	1	0	21	21	0	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL01)	Integral LED / Integral LED Driver	21	21	
Fred Lippman Community Center	523	1	EXT	COURTYARD	Exterior - Parking / Grounds		FALSE	Bollard	HID	150w MH / HID-150	1	1	6	6	6	Replace fixture with LED Bollard - utilize existing base (26w / 1558lm)	Integral LED / Integral LED Driver	6	6	
Fred Lippman Community Center	524	1	EXT	EXTERIOR	Exterior - Building		FALSE	Surface	HID	100w MH / HID-100	1	1	16	16	16	Replace fixture with LED Surface Mount Silescent Downlight	Integral LED / Integral LED Driver	16	16	
Fred Lippman Community Center	525	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Pack - FLD	HID	250w MH / HID-250	1	1	2	2	2	Replace fixture with LED Vandal Resistant Wall Pack (45w / 5400lm)	Integral LED / Integral LED Driver	2	2	
Fred Lippman Community Center	526	1	EXT	EXTERIOR	Exterior - Building		FALSE	Jelly Jar	INC	60w Incandescent / N/A	1	0	1	1	0	Replace fixture with LED Vandal Resistant Wall Brick (19w / 1450lm)	Integral LED / Integral LED Driver	1	1	
100% Savings													333	663	340			333	342	0
Project Savings													333	663	340			333	342	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Garfield Community Center	445	2	1		Multi Purpose	51	FALSE	Recessed Can 6"-Vert	CFL	CFL 32w PL / CFL	1	1	47	47	47	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	47	47	
Garfield Community Center	446	2	1		Multi Purpose		FALSE	Recessed Can 6"-Vert	CFL	CFL 32w PL / CFL	1	1	24	24	24	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	24	24	
Garfield Community Center	447	2	1		Multi Purpose		FALSE	Decorative Chandeileir	CFL	CFL 32w PL / CFL	6	3	3	18	9	DND - Decorative Fixture	N/A / N/A	3	0	
Garfield Community Center	448	2	1		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	4	4	0	DND - Existing LED	N/A / N/A	4	4	
Garfield Community Center	449	2	2		Vestible / Foyer	33	FALSE	Recessed Can 6"-Vert	CFL	CFL 32w PL / CFL	1	1	3	3	3	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	3	3	
Garfield Community Center	450	2	2		Vestible / Foyer		FALSE	4' Strip Cove / Soffit	FL	F32T8 / 2L Electronic	2	1	8	16	8	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	8	16	
Garfield Community Center	451	2	2		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Garfield Community Center	452	2	3	KITCHEN	Kitchen	20	FALSE	Recessed Can 6"-Vert	CFL	CFL 32w PL / CFL	1	1	6	6	6	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	6	6	
Garfield Community Center	453	2	4		Office - Private	21	FALSE	Recessed Can 6"-Vert	CFL	CFL 32w PL / CFL	1	1	4	4	4	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	4	4	
Garfield Community Center	454	2	4		Restroom - Public	26	FALSE	Recessed Can 6"-Vert	CFL	CFL 32w PL / CFL	1	1	10	10	10	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	10	10	
Garfield Community Center	455	2	4		Restroom - Public		FALSE	4' Strip Cove / Soffit	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	4	8	
Garfield Community Center	456	2	5		Restroom - Public	25	FALSE	Recessed Can 6"-Vert	CFL	CFL 32w PL / CFL	1	1	8	8	8	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	8	8	
Garfield Community Center	457	2	5		Restroom - Public		FALSE	4' Strip Cove / Soffit	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6	
Garfield Community Center	458	2	6		Custodial Closet	15	FALSE	Recessed Can 6"-Vert	CFL	CFL 32w PL / CFL	1	1	1	1	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Garfield Community Center	459	2	7		Electrical		FALSE	4' Strip	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Garfield Community Center	460	2	7A		Corridor / Hallway	17	FALSE	Recessed Can 6"-Vert	CFL	CFL 32w PL / CFL	1	1	5	5	5	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	5	5	
Garfield Community Center	461	2	7A		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Garfield Community Center	462	1	8	MENS ROOM	Restroom - Public	29	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	5	10	5	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	5	10	
Garfield Community Center	463	1	8	MENS ROOM	Restroom - Public		FALSE	4' Strip Cove / Soffit	FL	F32T8 / 2L Electronic	2	1	5	10	5	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	5	10	
Garfield Community Center	464	1	9	WOMENS ROOM	Restroom - Public	29	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	5	10	5	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	5	10	
Garfield Community Center	465	1	9	WOMENS ROOM	Restroom - Public		FALSE	4' Strip Cove / Soffit	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	4	8	
Garfield Community Center	466	1	9	WOMENS ROOM	Restroom - Public		FALSE	4' Strip Cove / Soffit	LED	4' TLED / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Garfield Community Center	467	1	10		Storage - General		FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	16	32	16	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	16	32	
Garfield Community Center	468	1	EXT	EXTERIOR	Exterior - Building		FALSE	Surface Cylinder	HID	100w HPS / HID-100	1	1	27	27	27	Relamp fixture with AMBER LED lamp	TBD	27	27	
Garfield Community Center	469	1	EXT	EXTERIOR	Exterior - Building		FALSE	Surface Cylinder	HID	100w HPS / HID-100	1	1	16	16	16	Relamp fixture with AMBER LED lamp	TBD	16	16	
Garfield Community Center	470	1	EXT	EXTERIOR	Exterior - Building		FALSE	Surface Cylinder	HID	100w HPS / HID-100	1	1	5	5	5	Relamp fixture with AMBER LED lamp	TBD	5	5	
100% Savings													218	286	218			218	268	0
Project Savings													218	286	218			218	268	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM					
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver	
Hollywood Beach Community Center	527	1	100		Lobby Area - Main	45	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	15	45	15	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	15	15		
Hollywood Beach Community Center	528	1	100		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1		
Hollywood Beach Community Center	529	1	102		Office - Private	54	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	4	4		
Hollywood Beach Community Center	530	1	103		Office - Private	49	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4		
Hollywood Beach Community Center	531	1	104	CARD ROOM	Multi Purpose	56	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	9	27	9	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	9	9		
Hollywood Beach Community Center	532	1		MENS ROOM	Restroom - Public	38	FALSE	1x4 Surf. Acrylic	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6		
Hollywood Beach Community Center	533	1		WOMENS ROOM	Restroom - Public	38	FALSE	1x4 Surf. Acrylic	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6		
Hollywood Beach Community Center	534	1	C1		Corridor / Hallway	28	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	9	18	9	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	9	9		
Hollywood Beach Community Center	535	1	C1		Corridor / Hallway		FALSE	2x4 Rec. Acrylic	LED	4' TLED / N/A	2	0	2	4	0	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2		
Hollywood Beach Community Center	536	1	C1		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	3	3	0	DND - Existing LED	N/A / N/A	3	3		
Hollywood Beach Community Center	537	1	C1	C	Corridor / Hallway		FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1		
Hollywood Beach Community Center	538	1	108		Custodial Closet	33	FALSE	1x4 Surf. Acrylic	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		
Hollywood Beach Community Center	539	1	110	GAME ROOM	Multi Purpose	48	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	9	27	9	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	9	9		
Hollywood Beach Community Center	540	1	107		Storage - General	35	FALSE	1x4 Surf. Acrylic	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		
Hollywood Beach Community Center	541	1	C2		Corridor / Hallway	28	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2		
Hollywood Beach Community Center	542	1	C2		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1		
Hollywood Beach Community Center	543	1	111	CRAFTS	Multi Purpose	47	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6		
Hollywood Beach Community Center	544	1	112		Multi Purpose	49	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6		
Hollywood Beach Community Center	545	1	113		Storage - General	49	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1		
Hollywood Beach Community Center	546	1	114		Storage - General	49	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1		
Hollywood Beach Community Center	547	1	117		Server / Com Room	40	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1		
Hollywood Beach Community Center	548	1	116		Classroom - General	52	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6		
Hollywood Beach Community Center	549	1	116		Classroom - General	52	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6		
Hollywood Beach Community Center	550	1	121		Classroom - General	52	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6		
Hollywood Beach Community Center	551	1	122		Classroom - General	52	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6		
Hollywood Beach Community Center	552	1	C3		Corridor / Hallway	28	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	6	12	6	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	6	6		
Hollywood Beach Community Center	553	1	C3		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1		
Hollywood Beach Community Center	554	1	127		Custodial Closet	24	FALSE	1x4 Surf. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		
Hollywood Beach Community Center	555	1	128		Kitchen	67	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5		
Hollywood Beach Community Center	556	1	128		Kitchen		FALSE	2x4 Rec. Acrylic	LED	4' TLED / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1		

Hollywood Beach Community Center	557	1	128		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
Hollywood Beach Community Center	558	1	C3		Corridor / Hallway	46	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Hollywood Beach Community Center	559	1	C3		Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Hollywood Beach Community Center	560	1	101	MAIN ROOM	Multi Purpose	48	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	50	150	50	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	50	50	
Hollywood Beach Community Center	561	1	101	MAIN ROOM	Multi Purpose		FALSE	Recessed Can 6" Dim	INC	75w Incandescent / N/A	1	0	47	47	0	Retrofit fixture with 6" LED Recessed Can Kit (Triac Dimming)	Integral LED / Integral LED Driver	47	47	
Hollywood Beach Community Center	562	1	101	MAIN ROOM	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	3	3	0	DND - Existing LED	N/A / N/A	3	3	
Hollywood Beach Community Center	563	1	101A		Storage - General	39	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
Hollywood Beach Community Center	564	1	118		Storage - General	34	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Hollywood Beach Community Center	565	1	123	DRESSING ROOM	Dressing Room	96	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Hollywood Beach Community Center	566	1	123	DRESSING ROOM	Dressing Room		FALSE	2x4 Rec. Acrylic	LED	4" TLED / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Hollywood Beach Community Center	567	1	EXT	COVERED ENTRY	Exterior - Building		FALSE	Recessed Can 10"	HID	175w MH / HID-175	1	1	4	4	4	Replace fixture with LED Surface Mount Silescent Downlight	Integral LED / Integral LED Driver	4	4	
Hollywood Beach Community Center	568	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Pack - FLD	HID	150w HPS / HID-150	1	1	10	10	10	Replace fixture with LED Vandal Resistant Wall Pack (45w / 5400lm)	Integral LED / Integral LED Driver	10	10	
Hollywood Beach Community Center	569	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Pack - FCT	HID	100w HPS / HID-100	1	1	2	2	2	Replace fixture with LED Wall Pack - Full Cut (16w / 2898lm)	Integral LED / Integral LED Driver	2	2	
Hollywood Beach Community Center	570	1	EXT	FRONT ENTRY	Exterior - Building		FALSE	Recessed Can 8"	HID	100w MH / HID Pulse Start	1	1	5	5	5	Replace fixture with LED Surface Mount Silescent Downlight	Integral LED / Integral LED Driver	5	5	
Hollywood Beach Community Center	571	1	EXT	SIDE ENTRIES	Exterior - Building		FALSE	Recessed Can 8"	HID	70w HPS / HID-70	1	1	2	2	2	Replace fixture with LED Surface Mount Silescent Downlight	Integral LED / Integral LED Driver	2	2	
Hollywood Beach Community Center	572	1	EXT	NORTH PARKING LOT	Exterior - Parking / Grounds		FALSE	Post Top	HID	250w MH / HID-250	1	1	8	8	8	DND - Existing LED	N/A / N/A	8	8	
Hollywood Beach Community Center	573	1	EXT	EAST PARKING LOT	Exterior - Parking / Grounds		FALSE	Post Top	HID	250w MH / HID-250	1	1	8	8	8	DND - Existing LED	N/A / N/A	8	8	
Hollywood Beach Community Center	574	1	EXT	EAST COURTYARD	Exterior - Parking / Grounds		FALSE	Shoebox (small)	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1	
Hollywood Beach Community Center	575	1	1	MENS ROOM	Restroom - Public	31	FALSE	4" Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Hollywood Beach Community Center	576	1	2	WOMENS ROOM	Restroom - Public	31	FALSE	4" Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Hollywood Beach Community Center	577	1	EXT	EXTERIOR	Exterior - Building		FALSE	Surface Mount	CFL	CFL 13w PL / CFL	2	2	2	4	4	Replace fixture with CNY Series LED (27w / 3500lm)	Integral LED / Integral LED Driver	2	2	
Hollywood Beach Community Center	578	1	EXT	EXTERIOR	Exterior - Building		FALSE	Wall Pack - FLD	HID	70w HPS / HID-70	1	1	1	1	1	Replace fixture with LED Vandal Resistant Wall Pack (45w / 5400lm)	Integral LED / Integral LED Driver	1	1	
100% Savings													283	609	224			283	297	0
Project Savings													283	609	224			283	297	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors / N) (Y	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Stan Goldman Park	578.01	1		Rest Rooms	Restroom - Public		FALSE	4' Wrap	LED	Integral LED / Integral LED Driver	1	1	10	10	10	DND - Decorative Fixture	N/A / N/A	10	0	
Stan Goldman Park	578.02	1		Concessions	Multi Purpose		FALSE	4' Wrap	LED	Integral LED / Integral LED Driver	1	1	6	6	6	DND - Decorative Fixture	N/A / N/A	6	0	
Stan Goldman Park	578.03	1	EXT	Exterior	Exterior - Building		FALSE	LED - Recessed Can 6"	LED	Integral LED / Integral LED Driver	1	1	8	8	8	DND - Decorative Fixture	N/A / N/A	8	0	
Stan Goldman Park	578.04	1	EXT	Exterior	Exterior - Building		FALSE	Wall Pack (small)	LED	Integral LED / Integral LED Driver	1	1	4	4	4	DND - Decorative Fixture	N/A / N/A	4	0	
100% Savings													28	28	28			28	0	0
Project Savings													28	28	28			28	0	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Stan Goldman Park - Sports Lighting	578.05	1	EXT	Skate Park & Paddle Ball	Exterior - Sports Lighting		FALSE	Sports Lighter (5 Head)	HID	1000w MH / HID-1000	5	5	8	40	40	Replace fixtures with (5) LED SportsLighter (2250w / 292500lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	8	40	
100% Savings													8	40	40			8	40	0
Project Savings													8	40	40			8	40	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Jefferson Park	579	1	1	MEETING ROOM	Multi Purpose		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	4	4	
Jefferson Park	580	1	1	MEETING ROOM	Multi Purpose		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (29w / 4028lm)	Integral LED / Integral LED Driver	2	2	
Jefferson Park	581	1	2	MENS ROOM	Restroom - Public		FALSE	8' Vapor Tight	FL	F34T12 / FL Magnetic ES	2	1	1	2	1	Replace fixture with 8' LED Vapor Tight	Integral LED / Integral LED Driver	1	1	
Jefferson Park	582	1	2	MENS ROOM	Restroom - Public		FALSE	2x4 Surf. Acrylic	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6	
Jefferson Park	583	1	4	WOMENS ROOM	Restroom - Public		FALSE	8' Vapor Tight	LED	8' TLED / 2L Electronic	2	1	1	2	1	Replace fixture with 8' LED Vapor Tight	Integral LED / Integral LED Driver	1	1	
Jefferson Park	584	1	4	WOMENS ROOM	Restroom - Public		FALSE	2x4 Surf. Acrylic	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6	
Jefferson Park	585	1	3		Storage - General		FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Jefferson Park	586	1	EXT	EXTERIOR	Exterior - Parking / Grounds		FALSE	Wall Pack	CFL	CFL 42w PL / CFL	1	1	1	1	1	Replace fixture with LED Bollard - utilize existing base (26w / 1558lm)	Integral LED / Integral LED Driver	1	1	
100% Savings													17	33	17			17	25	0
Project Savings													17	33	17			17	25	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors / N) (Y	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Jefferson Park - Sports Lighting	587	1	EXT	TENNIS COURTS	Exterior - Sports Lighting		FALSE	Sports Lighter (2 Head)	HID	1000w MH / HID-1000	2	2	8	16	16	Replace fixtures with (2) LED SportsLighter (900w / 117000lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	8	16	
Jefferson Park - Sports Lighting	588	1	EXT	RACQUETBALL COURTS	Exterior - Sports Lighting		FALSE	Sports Lighter (2 Head)	HID	1000w MH / HID-1000	2	2	2	4	4	Replace fixtures with (2) LED SportsLighter (900w / 117000lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	2	4	
Jefferson Park - Sports Lighting	589	1	EXT	RACQUETBALL COURTS	Exterior - Sports Lighting		FALSE	Sports Lighter	HID	1000w MH / HID-1000	1	1	2	2	2	Replace fixtures with (2) LED SportsLighter (900w / 117000lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	2	4	
Jefferson Park - Sports Lighting	590	1	EXT	BOCCE BALL COURTS	Exterior - Sports Lighting		FALSE	Sports Lighter	HID	1000w MH / HID-1000	1	1	2	2	2	Replace fixtures with (2) LED SportsLighter (900w / 117000lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	2	4	
100% Savings													14	24	24			14	28	0
Project Savings													14	24	24			14	28	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
City Hall	591	P	PH MECH		Mechanical Room	29	FALSE	8' Industrial	FL	F32T8 / 4L Electronic	4	1	11	44	11	Retrofit fixture with (4) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	11	44	
City Hall	592	P	PH MECH		Mechanical Room	4	FALSE	8' Strip	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	3	12	
City Hall	593	P	PH MECH		Boiler Plant Area		FALSE	Jelly Jar	INC	60w Incandescent / N/A	1	0	1	1	0	Replace fixture with LED Vandal Resistant Wall Pack (45w / 5400lm)	Integral LED / Integral LED Driver	1	1	
City Hall	594	P	PH MECH		Mechanical Room	45	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	9	18	9	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	9	18	
City Hall	595	4	1	401	Conference Room	125	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6	
City Hall	596	4	1	401	Conference Room		FALSE	Recessed Can 6"	CFL	CFL 23w Screw In / Integral CFL	1	0	8	8	0	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	8	8	
City Hall	597	4	1		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	598	4	2		Corridor / Hallway - Connector Halls	28	FALSE	Recessed Can 6"	CFL	CFL 23w Screw In / Integral CFL	1	0	6	6	0	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	6	6	
City Hall	599	4	2		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	2	4	4	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	2	2	
City Hall	600	4	3		Corridor / Hallway - Connector Halls	11	FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	1	1	3	3	3	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	3	3	
City Hall	601	4	4		Office - Private	87	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	602	4	5		Office - Private	81	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	603	4	6		Office - Private	32	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	604	4	7		Office - Private	76	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	605	4	7		Office - Private		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	1	1	4	4	4	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	4	4	
City Hall	606	4	8		Storage - General	49	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	607	4	15		Corridor / Hallway - Connector Halls	99	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	
City Hall	608	4	15		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	2	4	4	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	2	2	
City Hall	609	4	9		Office - Private	98	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	610	4	10		Office - Private	102	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	611	4	11		Office - Private	99	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	612	4	12		Office - Private	80	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	613	4	13		Storage - General	47	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	614	4	14		Office - Open	53	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	9	27	9	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	9	9	
City Hall	615	4	14		Office - Open		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	1	1	3	3	3	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	3	3	
City Hall	616	4	14		Office - Open		FALSE	Recessed Can 6"	INC	H5HAL / N/A	1	1	1	1	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
City Hall	617	4	14		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	618	4	16		Waiting Room	67	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	619	4	16		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	620	4	17		Waiting Room	27	FALSE	Recessed Can 6" - Vert	CFL	CFL 26w PL / CFL	1	1	2	2	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	2	2	

City Hall	621	4	17		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	622	4	18		Conference Room	53	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	623	4	19		Storage - General	60	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	624	4	20		Office - Private	98	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	625	4	21		Storage - General	56	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	626	4	22		Office - Private	81	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	627	4	23		Office - Private	63	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	628	4	24		Office - Private	121	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	629	4	25		Office - Private	108	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	630	4	26		Office - Private	37	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	631	4	27		Office - Private	78	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	632	4	28		Office - Private	78	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	633	4	29		Office - Open	59	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	9	36	9	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	9	9	
City Hall	634	4	29		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	2	4	4	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	2	2	
City Hall	635	4	29		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	2	2	2	DND - Not in Scope (Emergency Egress)	N/A / N/A	2	0	
City Hall	636	4	30	412	Storage - Records	111	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6	
City Hall	637	4	31		Vestible / Foyer	31	FALSE	Recessed Can 6" - Horiz	CFL	CFL 13w PL / CFL	2	2	6	12	12	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	6	6	
City Hall	638	4	31		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	639	4	32		Conference Room	62	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	640	4	33		Office - Open	78	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	641	4	34		Office - Private	113	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	642	4	35		Office - Private	56	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	643	4	36		Office - Private	75	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	644	4	37		Office - Private	27	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	645	4	38	415	Office - Open	63	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	5	20	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	
City Hall	646	4	38		Office - Open		FALSE	Recessed Can 6" - Horiz	CFL	CFL 13w PL / CFL	2	2	1	2	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
City Hall	647	4	38		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	2	2	2	DND - Not in Scope (Emergency Egress)	N/A / N/A	2	0	
City Hall	648	4	39		Waiting Room	72	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	1	4	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	649	4	39		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	650	4	40		Workroom	65	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	651	4	41		Office - Private	61	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	2	8	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	652	4	42		Office - Private	62	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	1	4	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	653	4	43		Office - Private	93	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	2	8	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	654	4	44		Office - Private	43	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	

City Hall	655	4	45		Office - Private	80	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	4	16	8	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	656	4	46		Office - Private	99	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	4	16	8	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	657	4	47		Office - Private	88	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	6	24	12	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6	
City Hall	658	4	48		Office - Private	98	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	2	8	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	659	4	49		Office - Private	93	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	660	4	50		Office - Private	55	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	661	4	51		Conference Room	73	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6	
City Hall	662	4	51		Conference Room		FALSE	Recessed Can 6" Dim	INC	75w Incandescent / N/A	1	0	3	3	0	Retrofit fixture with 6" LED Recessed Can Kit (Triac Dimming)	Integral LED / Integral LED Driver	3	3	
City Hall	663	4	51		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	664	4	52		Office - Private	92	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	665	4	53		Office - Open	80	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	2	8	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	666	4	53		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	667	4	54		Corridor / Hallway	9	FALSE	Recessed Can 8" - Horz	CFL	CFL 26w PL / CFL	2	1	4	8	4	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL02)	Integral LED / Integral LED Driver	4	4	
City Hall	668	4	54		Corridor / Hallway		FALSE	Recessed Can 8" - Horz - Emergency Battery	CFL	CFL 26w PL / CFL	2	1	1	2	1	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL02) - Emergency Battery	Integral LED / Integral LED Driver	1	1	
City Hall	669	4	54		Corridor / Hallway		FALSE	Recessed Can 6" - Horz	CFL	CFL 26w PL / CFL	1	1	3	3	3	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	3	3	
City Hall	670	4	54		Corridor / Hallway		FALSE	Track	INC	75w Incandescent / N/A	1	0	4	4	0	Relamp fixture with PAR30 LED	KT-LED10PAR30-F-840 / N/A	4	4	
City Hall	671	4	54		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	672	4	54		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	2	4	4	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	2	2	
City Hall	673	4	55		Office - Open	58	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	4	16	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	674	4	55		Office - Open		FALSE	2x2 Rec. Parabolic	FL	F32T8/U / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	2	2	
City Hall	675	4	55		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	676	4	56		Corridor / Hallway	37	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	677	4	56		Corridor / Hallway		FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	1	4	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	678	4	56		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	679	4	57		Corridor / Hallway	54	FALSE	2x2 Rec. Parabolic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
City Hall	680	4	57		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	681	4	58		Corridor / Hallway	34	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	2	8	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	682	4	58		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	683	4	59		Office - Open	40	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	3	12	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	684	4	59		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	685	4	59		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	686	4	60		Office - Private	58	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	687	4	61		Office - Private	56	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	688	4	62		Kitchen	125	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	

City Hall	689	4	63	405	Mechanical Room	5	FALSE	8' Strip	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	4	
City Hall	690	4	63	405	Mechanical Room		FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	1	1	1	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	1	
City Hall	691	4	64		Storage - General	8	FALSE	8' Strip	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	4	
City Hall	692	4	65		Restroom - Public	27	FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	1	1	4	4	4	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	4	4	
City Hall	693	4	65		Restroom - Public		FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	3	3	3	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	3	
City Hall	694	4	65		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	695	4	66		Restroom - Public	32	FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	1	1	4	4	4	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	4	4	
City Hall	696	4	66		Restroom - Public		FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	3	3	3	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	3	
City Hall	697	4	66		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	698	4	67		Server / Com Room	64	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	4	16	8	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	699	4	68		Corridor / Hallway	7	FALSE	Recessed Can 8" - Horiz	CFL	CFL 26w PL / CFL	2	1	12	24	12	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL02)	Integral LED / Integral LED Driver	12	12	
City Hall	700	4	68		Corridor / Hallway		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	1	1	21	21	21	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	21	21	
City Hall	701	4	68		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	702	4	68		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	2	2	2	DND - Not in Scope (Emergency Egress)	N/A / N/A	2	0	
City Hall	703	4	68		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	3	6	6	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	3	3	
City Hall	704	4	69		Corridor / Hallway	25	FALSE	Recessed Can 8" - Horiz	CFL	CFL 26w PL / CFL	2	1	1	2	1	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL02)	Integral LED / Integral LED Driver	1	1	
City Hall	705	4	69		Corridor / Hallway		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	1	1	3	3	3	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	3	3	
City Hall	706	4	70		Corridor / Hallway	3	FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	1	1	3	3	3	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	3	3	
City Hall	707	4	70		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	708	4	70		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	709	3	1		Office - Private	60	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	710	3	2		Office - Private	70	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	711	3	3		Office - Private	70	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	712	3	4		Office - Private	76	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	713	3	5		Office - Private	54	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	1	4	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	714	3	6		Conference Room	42	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	715	3	7		Office - Private	50	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	1	4	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	716	3	8		Office - Open	67	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	1	4	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	717	3	8		Office - Open		FALSE	2x4 Rec. Acrylic	LED	4' TLED / N/A	4	0	7	28	0	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	7	7	
City Hall	718	3	8		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	719	3	8		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	720	3	9		Conference Room	87	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	721	3	10		Storage - General	68	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	722	3	11		Office - Private	60	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	

City Hall	723	3	12		Office - Private	64	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	724	3	13		Office - Private	62	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	725	3	14		Office - Private	114	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	726	3	15		Office - Private	87	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	727	3	16		Storage - General	86	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	4	8	
City Hall	728	3	17		Office - Private	117	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	729	3	18		Office - Private	76	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	730	3	19		Office - Private	120	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	
City Hall	731	3	20		Office - Private	114	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	732	3	21		Office - Private	90	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	733	3	22		Office - Private	120	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	734	3	23		Office - Private	89	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	735	3	24		Office - Private	56	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	736	3	25		Office - Open	83	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	9	27	9	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	9	9	
City Hall	737	3	25		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	738	3	25		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	739	3	26		Vestible / Foyer	96	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	740	3	27		Office - Open	107	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	23	69	23	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	23	23	
City Hall	741	3	27		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	742	3	27		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	743	3	28	312	Office - Open	53	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	
City Hall	744	3	28	312	Office - Open		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	745	3	28	312	Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	746	3	29	312	Office - Private	107	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	747	3	30	314	Office - Private	45	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	748	3	31	314	Office - Private	64	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	749	3	31	314	Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	750	3	32	315	Waiting Room	55	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	751	3	32	315	Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	752	3	33		Office - Private	87	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	753	3	34		Office - Private	85	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	754	3	35		Office - Private	90	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	755	3	36		Office - Private	70	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	756	3	37		Office - Private	50	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	

City Hall	757	3	38		Conference Room	84	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	758	3	39		Office - Private	60	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	759	3	40		Office - Open	67	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	21	63	21	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	21	21	
City Hall	760	3	40		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	3	6	6	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	3	3	
City Hall	761	3	41	319	Waiting Room	97	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	762	3	42		Office - Open	68	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	763	3	43		Office - Private	84	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	764	3	44		Office - Private	117	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	765	3	45		Office - Private	118	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	766	3	46		Office - Private	68	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	767	3	47		Office - Private	21	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	768	3	48		Unknown Use	110	FALSE	2x2 Panel	LED	Integral LED / Integral LED Driver	1	1	2	2	2	DND - Existing LED	N/A / N/A	2	2	
City Hall	769	3	48		Unknown Use		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	770	3	49		Office - Private	80	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	771	3	50		Office - Private	91	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	772	3	51		Office - Private	50	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	773	3	52		Office - Private	37	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	774	3	53		Office - Open	106	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	8	24	8	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	8	8	
City Hall	775	3	53		Office - Open		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	776	3	53		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	777	3	53		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	778	3	54		Office - Open	170	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	7	21	7	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	7	7	
City Hall	779	3	54		Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1	
City Hall	780	3	55		Corridor / Hallway	100	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6	
City Hall	781	3	55		Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1	
City Hall	782	3	56		Corridor / Hallway		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	783	3	56		Exit Sign	53	FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	784	3	57		Office - Open	112	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	12	36	12	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	12	12	
City Hall	785	3	57		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	786	3	57		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	787	3	58		Office - Private	106	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	788	3	59		Office - Open	68	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	8	24	8	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	8	8	
City Hall	789	3	59		Office - Open		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	790	3	60		Office - Open	80	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	

City Hall	791	3	61		Office - Open	81	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	
City Hall	792	3	62		Conference Room	84	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	
City Hall	793	3	63		Storage - General	54	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	794	3	63		Storage - General		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w /4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	795	3	64	305	Mechanical Room		FALSE	8' Strip	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	4	
City Hall	796	3	64	305	Mechanical Room		FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	1	1	1	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	1	
City Hall	797	3	65		Storage - General		FALSE	8' Strip	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	4	
City Hall	798	3	66		Restroom - Public		FALSE	Recessed Can 8" - Horiz	CFL	CFL 26w PL / CFL	2	1	5	10	5	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL02)	Integral LED / Integral LED Driver	5	5	
City Hall	799	3	66		Restroom - Public		FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	3	3	3	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	3	
City Hall	800	3	66		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	801	3	67		Restroom - Public		FALSE	Recessed Can 8" - Horiz	CFL	CFL 26w PL / CFL	2	1	5	10	5	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL02)	Integral LED / Integral LED Driver	5	5	
City Hall	802	3	67		Restroom - Public		FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	3	3	3	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	3	
City Hall	803	3	67		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	804	3	68	317	Server / Com Room	18	FALSE	8' Strip	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	4	
City Hall	805	3	68	317	Server / Com Room		FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
City Hall	806	3	69		Corridor / Hallway - Main		FALSE	4' Strip	LED	Integral LED / Integral LED Driver	1	1	10	10	10	DND - Existing LED	N/A / N/A	10	10	
City Hall	807	3	69		Corridor / Hallway - Main		FALSE	8' Neon Tube	Neon	Neon Tube / N/A	1	1	8	8	8	DND - Not in Scope (Neon Lighting)	N/A / N/A	8	8	
City Hall	808	3	69		Corridor / Hallway - Main		FALSE	Recessed Can 6" - Horiz	CFL	CFL 13w PL / CFL	2	2	4	8	8	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	4	4	
City Hall	809	3	69		Corridor / Hallway - Main		FALSE	Recessed Can 10"	HID	175w MH / HID-175	1	1	4	4	4	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL03) - 10" good ring	Integral LED / Integral LED Driver	4	4	
City Hall	810	3	69		Corridor / Hallway - Main		FALSE	Recessed Can 8" - Horiz	CFL	CFL 26w PL / CFL	2	1	2	4	2	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL02)	Integral LED / Integral LED Driver	2	2	
City Hall	811	3	69		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	812	3	69		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	813	3	70		Corridor / Hallway - Main		FALSE	8' Neon Tube	Neon	Neon Tube / N/A	1	1	12	12	12	DND - Not in Scope (Neon Lighting)	N/A / N/A	12	12	
City Hall	814	3	70		Corridor / Hallway - Main		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	1	1	16	16	16	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	16	16	
City Hall	815	3	70		Corridor / Hallway - Main		FALSE	1x4 Surf. Parabolic	FL	F34T12 / FL Magnetic ES	1	1	1	1	1	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	1	
City Hall	816	3	70		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	2	2	2	DND - Not in Scope (Emergency Egress)	N/A / N/A	2	0	
City Hall	817	3	70		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	3	6	6	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	3	3	
City Hall	818	3	71		Corridor / Hallway		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	1	1	4	4	4	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	4	4	
City Hall	819	3	71		Corridor / Hallway		FALSE	8' Neon Tube	Neon	Neon Tube / N/A	1	1	3	3	3	DND - Not in Scope (Neon Lighting)	N/A / N/A	3	3	
City Hall	820	2	1	203	Waiting Room	65	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	821	2	1	203	Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	3	6	6	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	3	3	
City Hall	822	2	2		Storage - General	62	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	823	2	3		Office - Private	47	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	824	2	4		Conference Room	59	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	

City Hall	825	2	5		Office - Private	64	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	826	2	6		Storage - General	77	FALSE	2x4 Rec. Acrylic	LED	4' TLED / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	827	2	7		Office - Private	56	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	828	2	8		Office - Open	40	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	26	78	26	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	26	26	
City Hall	829	2	8		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	830	2	8		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	831	2	8		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	832	2	9	204	Café / Dining Area	101	FALSE	2x4 Rec. Acrylic	LED	4' TLED / 3L Electronic	3	1	9	27	9	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	9	9	
City Hall	833	2	9		Café / Dining Area		FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	2	2	
City Hall	834	2	9		Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1	
City Hall	835	2	10	206	Waiting Room	39	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	836	2	10	206	Waiting Room		FALSE	2x4 Rec. Acrylic - Emergency Battery	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit w/Emergency Battery (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	837	2	10	206	Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	838	2	11		Office - Private	39	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	839	2	12		Office - Private	55	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	840	2	13		Office - Private	11	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	841	2	14		Office - Private	83	FALSE	2x4 Rec. Acrylic	LED	4' TLED / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	842	2	15		Office - Private	26	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	843	2	16		Office - Private	30	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	844	2	17		Storage - General	31	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	845	2	18		Office - Private	61	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	846	2	19		Storage - Records	32	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	847	2	20		Storage - Records	38	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	848	2	21		Office - Open	52	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6	
City Hall	849	2	21		Office - Open		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	850	2	21		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	851	2	22		Office - Open	73	FALSE	2x4 Rec. Acrylic	LED	4' TLED / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	
City Hall	852	2	23		Office - Open	38	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	13	39	13	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	13	13	
City Hall	853	2	23		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	854	2	23		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	855	2	24	212	Unknown Use	18	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	856	2	24	212	Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	857	2	25		Unknown Use	26	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	858	2	26		Unknown Use	53	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6	

City Hall	859	2	26		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	860	2	27		Storage - General	55	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
City Hall	861	2	28		Unknown Use	36	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
City Hall	862	2	29		Multi Purpose	56	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	863	2	30		Vestible / Foyer	100	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	864	2	30		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	865	2	31	215	Classroom - General	66	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	14	42	14	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	14	14	
City Hall	866	2	31		Classroom - General		FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	2	2	
City Hall	867	2	31		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	868	2	32		Restroom - Public	16	FALSE	Vanity	CFL	CFL 13w Screw in / Integral CFL	2	0	1	2	0	DND - Decorative Fixture	N/A / N/A	1	0	
City Hall	869	2	33		Kitchen	43	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
City Hall	870	2	34		Classroom - Lecture Hall	60	FALSE	Recessed Can 8" - Horz	CFL	CFL 26w PL / CFL	2	1	19	38	19	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL02)	Integral LED / Integral LED Driver	19	19	
City Hall	871	2	34		Classroom - Lecture Hall		FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	16	64	16	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	16	16	
City Hall	872	2	34		Classroom - Lecture Hall		FALSE	Cove Strip (FT)	LED	Integral LED / Integral LED Driver	1	1	2	2	2	DND - Existing LED	N/A / N/A	2	2	
City Hall	873	2	34		Classroom - Lecture Hall		FALSE	8' Strip	FL	F32T8 / 2L Electronic	2	1	16	32	16	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	16	64	
City Hall	874	2	34		Classroom - Lecture Hall		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	2	2	2	DND - Not in Scope (Emergency Egress)	N/A / N/A	2	0	
City Hall	875	2	34		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	3	6	6	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	3	3	
City Hall	876	2	35		Auditorium - Control Room	45	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	877	2	36	221	Vestible / Foyer	36	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	878	2	36	221	Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	879	2	37		Office - Private	70	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	
City Hall	880	2	38		Kitchen	35	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	881	2	39		Office - Private	60	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	882	2	40		Storage - Records	65	FALSE	8' Strip	FL	F32T8 / 4L Electronic	4	1	2	8	2	Retrofit fixture with (4) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	2	8	
City Hall	883	2	41		Office - Open	32	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	12	36	12	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	12	12	
City Hall	884	2	41		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	885	2	42		Break / Lounge	34	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	886	2	42		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	887	2	43		Kitchen	54	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	888	2	44	205	Mechanical Room	7	FALSE	8' Strip	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	4	
City Hall	889	2	44	205	Mechanical Room		FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	1	1	1	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	1	
City Hall	890	2	45		Storage - General		FALSE	8' Strip	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	4	
City Hall	891	2	46		Restroom - Public		FALSE	Recessed Can 8" - Horz	CFL	CFL 26w PL / CFL	2	1	5	10	5	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL02)	Integral LED / Integral LED Driver	5	5	
City Hall	892	2	46		Restroom - Public		FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	3	3	3	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	3	

City Hall	893	2	46		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	894	2	47		Restroom - Public		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	2	1	5	10	5	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL02)	Integral LED / Integral LED Driver	5	5	
City Hall	895	2	47		Restroom - Public		FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	3	3	3	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	3	
City Hall	896	2	47		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	897	2	48		Server / Com Room	9	FALSE	8' Strip	LED	4' TLED / N/A	2	0	1	2	0	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	4	
City Hall	898	2	49		Lobby Area - Main	47	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	899	2	49		Lobby Area - Main		FALSE	Recessed Can 6" - Horiz	CFL	CFL 13w PL / CFL	2	2	2	4	4	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	2	2	
City Hall	900	2	49		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	901	2	49		Lobby Area - Main		FALSE	Recessed Can 6" - Horiz	CFL	CFL 13w PL / CFL	2	2	9	18	18	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	9	9	
City Hall	902	2	49		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	903	2	49		Lobby Area - Main		FALSE	LED - Track	LED	Integral LED / Integral LED Driver	1	0	3	3	0	DND - Existing LED	N/A / N/A	3	3	
City Hall	904	2	50		Stainwell - Interior		FALSE	Recessed Can 6" - Horiz	CFL	CFL 13w PL / CFL	2	2	1	2	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
City Hall	905	2	50		Stainwell - Interior		FALSE	LED - Decorative (Screw In LED)	LED	LED SI / N/A	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
City Hall	906	2	50		Stainwell - Interior		FALSE	LED - Track	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
City Hall	907	2	51		Corridor / Hallway - Main		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	1	1	17	17	17	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	17	17	
City Hall	908	2	51		Corridor / Hallway - Main		FALSE	8' Neon Tube	Neon	Neon Tube / N/A	1	1	12	12	12	DND - Not in Scope (Neon Lighting)	N/A / N/A	12	12	
City Hall	909	2	51		Corridor / Hallway - Main		FALSE	Recessed Square	CFL	CFL 23w Screw In / Integral CFL	1	0	1	1	0	Replace fixture with LED Surface Mount Silescnt Downlight	Integral LED / Integral LED Driver	1	1	
City Hall	910	2	51		Corridor / Hallway - Main		FALSE	1x4 Surf. Parabolic	FL	F32T8 / 2L Electronic	1	1	1	1	1	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	1	
City Hall	911	2	51		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	912	2	51		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	3	6	6	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	3	3	
City Hall	913	2	52		Corridor / Hallway		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	1	1	3	3	3	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	3	3	
City Hall	914	2	52		Corridor / Hallway		FALSE	8' Neon Tube	Neon	Neon Tube / N/A	1	1	6	6	6	DND - Not in Scope (Neon Lighting)	N/A / N/A	6	6	
City Hall	915	2	52		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	916	1	1		Waiting Room	23	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	7	21	7	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	7	7	
City Hall	917	1	1		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	918	1	2		Vestible / Foyer	35	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
City Hall	919	1	3		Electrical	30	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
City Hall	920	1	4		Restroom - Public	66	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2	
City Hall	921	1	5		Office - Private	81	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	922	1	6		Office - Private	54	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	923	1	7		Corridor / Hallway	58	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	924	1	7		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	925	1	8		Office - Open	48	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	
City Hall	926	1	9		Office - Private	63	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	

City Hall	927	1	10		Kitchen	33	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
City Hall	928	1	11		Storage - Records	40	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
City Hall	929	1	12		Office - Open	53	FALSE	4' Wrap	FL	F32T8 / 4L Electronic	4	1	2	8	2	Retrofit fixture with (4) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	2	8	
City Hall	930	1	13		Office - Private	57	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	931	1	14		Office - Open	89	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	
City Hall	932	1	15		Office - Open	64	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	17	51	17	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	17	17	
City Hall	933	1	16		Office - Open		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	
City Hall	934	1	17		Office - Open		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	9	27	9	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	9	9	
City Hall	935	1	18		Office - Open	121	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	7	21	7	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	7	7	
City Hall	936	1	19		Office - Private	60	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	937	1	20		Office - Private	60	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	938	1	21		Office - Open	43	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	13	39	13	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	13	13	
City Hall	939	1	21		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	940	1	22		Waiting Room	44	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	941	1	23		Office - Private	57	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	942	1	23		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	943	1	24		Break / Lounge	34	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	944	1	25		Copy Room	38	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
City Hall	945	1	26		Office - Private	63	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	946	1	27		Office - Private	75	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	947	1	28		Office - Private		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	948	1	29		Office - Private		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	949	1	30		Office - Private	102	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	950	1	31		Office - Private	50	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	951	1	32		Office - Private	103	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	952	1	33		Office - Private	58	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	953	1	34		Office - Private	27	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	954	1	35		Conference Room	98	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	955	1	36		Corridor / Hallway	90	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6	
City Hall	956	1	36		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	2	2	2	DND - Not in Scope (Emergency Egress)	N/A / N/A	2	0	
City Hall	957	1	36		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	2	4	4	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	2	2	
City Hall	958	1	37		Office - Private	50	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	
City Hall	959	1	38		Office - Private	67	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	960	1	39		Electrical	5	FALSE	8' Strip	FL	F32T8 / 4L Electronic	4	1	1	4	1	Retrofit fixture with (4) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	4	

City Hall	961	1	39		Electrical		FALSE	4' Strip	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
City Hall	962	1	40		Mechanical Room	7	FALSE	8' Strip	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	4	
City Hall	963	1	40		Mechanical Room		FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	1	1	1	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	1	
City Hall	964	1	41		Mechanical Room	17	FALSE	8' Strip	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	3	12	
City Hall	965	1	42		Server / Com Room	2	FALSE	8' Strip	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	3	12	
City Hall	966	1	43		Office - Private	93	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	967	1	44		Office - Private	73	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	968	1	45		Office - Private	80	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	5	15	5	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	5	5	
City Hall	969	1	46		Office - Private	101	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	970	1	47		Storage - General	30	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	6	12	6	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	6	12	
City Hall	971	1	48		Storage - General	52	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	972	1	48		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	973	1	49		Restroom - Private	8	FALSE	Vanity	CFL	CFL 13w Screw in / Integral CFL	2	0	1	2	0	DND - Decorative Fixture	N/A / N/A	1	0	
City Hall	974	1	50		Vestible / Foyer	14	FALSE	Keyless	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
City Hall	975	1	51		Office - Private	72	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	6	18	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6	
City Hall	976	1	52		Storage - General	24	FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	1	1	1	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	1	
City Hall	977	1	53		Office - Private	36	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	978	1	53		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
City Hall	979	1	54		Office - Open	57	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	27	81	27	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	27	27	
City Hall	980	1	54		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	2	4	4	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	2	2	
City Hall	981	1	54		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	2	2	2	DND - Not in Scope (Emergency Egress)	N/A / N/A	2	0	
City Hall	982	1	55		Server / Com Room	16	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
City Hall	983	1	56		Office - Open	56	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	984	1	57		Server / Com Room	57	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
City Hall	985	1	58		Server / Com Room	35	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
City Hall	986	1	58		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	987	1	59		Office - Private	49	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	988	1	59		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	989	1	60		Office - Open		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	12	36	12	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	12	12	
City Hall	990	1	61		Restroom - Public	75	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2	
City Hall	991	1	62	11	Mechanical Room	7	FALSE	8' Strip	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	4	
City Hall	992	1	63		Restroom - Public		FALSE	Recessed Can 8" - Horiz	CFL	CFL 26w PL / CFL	2	1	5	10	5	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL02)	Integral LED / Integral LED Driver	5	5	
City Hall	993	1	63		Restroom - Public		FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	3	3	3	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	3	
City Hall	994	1	63		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	

City Hall	995	1	64		Restroom - Public		FALSE	Recessed Can 8" - Horz	CFL	CFL 26w PL / CFL	2	1	5	10	5	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL02)	Integral LED / Integral LED Driver	5	5	
City Hall	996	1	64		Restroom - Public		FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	3	3	3	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	3	
City Hall	997	1	64		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	998	1	65		Corridor / Hallway - Main	14	FALSE	Recessed Can 6" - Horz	CFL	CFL 26w PL / CFL	1	1	15	15	15	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	15	15	
City Hall	999	1	65		Corridor / Hallway - Main		FALSE	8' Neon Tube	Neon	Neon Tube / N/A	1	1	12	12	12	DND - Not in Scope (Neon Lighting)	N/A / N/A	12	12	
City Hall	1000	1	65		Corridor / Hallway - Main		FALSE	1x4 Surf. Parabolic	FL	F32T8 / 2L Electronic	1	1	1	1	1	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	1	
City Hall	1001	1	65		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
City Hall	1002	1	65		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	3	6	6	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	3	3	
City Hall	1003	1	66		Corridor / Hallway	50	FALSE	Recessed Can 6" - Horz	CFL	CFL 26w PL / CFL	1	1	3	3	3	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	3	3	
City Hall	1004	1	66		Corridor / Hallway		FALSE	4' Strip	LED	4' TLED / 1L Electronic	1	1	14	14	14	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	14	14	
City Hall	1005	1	67		Corridor / Hallway	33	FALSE	Recessed Can 6" - Horz	CFL	CFL 13w PL / CFL	2	2	2	4	4	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	2	2	
City Hall	1006	1	67		Corridor / Hallway		FALSE	8' Neon Tube	Neon	Neon Tube / N/A	1	1	6	6	6	DND - Not in Scope (Neon Lighting)	N/A / N/A	6	6	
City Hall	1007	1	67		Corridor / Hallway		FALSE	Recessed Can 6" - Horz	CFL	CFL 26w PL / CFL	2	1	7	14	7	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	7	7	
City Hall	1008	1	67		Corridor / Hallway		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
City Hall	1009	S	68		Stairwell - Interior	11	FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	5	5	5	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	5	5	
City Hall	1010	S	68		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	4	4	4	DND - Not in Scope (Emergency Egress)	N/A / N/A	4	0	
City Hall	1011	S	69		Stairwell - Interior		FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	3	3	3	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	3	
City Hall	1012	S	69		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	3	3	3	DND - Not in Scope (Emergency Egress)	N/A / N/A	3	0	
City Hall	1013	S	69		Stairwell - Interior		FALSE	4' Strip	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
City Hall	1014	S	69		Stairwell - Interior		FALSE	4' Strip	LED	4' TLED / 1L Electronic	1	1	2	2	2	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	2	
City Hall	1015	1	70		Storage - General	43	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	4	8	
City Hall	1016	B			Unknown Use	5	FALSE	4' Strip	FL	F32T8 / 2L Electronic	1	1	6	6	6	Retrofit fixture with (1) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	6	6	
City Hall	1017	EXT	71		Exterior - Building		FALSE	LED - Bollard	LED	Integral LED / Integral LED Driver	1	1	13	13	13	DND - Existing LED	N/A / N/A	13	13	
City Hall	1018	EXT	72		Exterior - Building		FALSE	Flood	HID	400w MH / HID- 400	1	1	2	2	2	Replace fixture with LED Flood (100w / 14469lm)	Integral LED / Integral LED Driver	2	2	
City Hall	1019	EXT	73		Exterior - Building		FALSE	Flood	HID	150w MH / HID- 150	1	1	4	4	4	Replace fixture with LED Flood (53w / 8653lm)	Integral LED / Integral LED Driver	4	4	
City Hall	1020	EXT	74		Exterior - Building		FALSE	LED - Surface Mount	LED	Integral LED / Integral LED Driver	1	1	14	14	14	DND - Existing LED	N/A / N/A	14	14	
City Hall	1021	EXT	75		Exterior - Building		FALSE	Recessed Can 8"	CFL	CFL 23w Screw In / Integral CFL	1	0	6	6	0	Retrofit fixture with 8" LED Recessed Can Kit (LBR8-AL01)	Integral LED / Integral LED Driver	6	6	
City Hall	1022	EXT	76		Exterior - Building		FALSE	LED - Sconce (Screw In LED)	LED	LED SI / N/A	1	1	14	14	14	DND - Existing LED	N/A / N/A	14	14	
City Hall	1023	EXT	77		Exterior - Building		FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
City Hall	1024	EXT	78		Exterior - Building		FALSE	LED - Surface Mount	LED	Integral LED / Integral LED Driver	1	1	4	4	4	DND - Existing LED	N/A / N/A	4	4	
City Hall	1025	EXT	79		Exterior - Building		FALSE	Surface Mount	CFL	CFL 23w Screw In / Integral CFL	1	0	1	1	0	Replace fixture with LED Surface Mount Silescent Downlight	Integral LED / Integral LED Driver	1	1	
City Hall	1026	EXT	80		Exterior - Building		FALSE	Flood	HID	100w MH / HID- 100	1	1	2	2	2	Replace fixture with LED Flood (37w / 5651lm)	Integral LED / Integral LED Driver	2	2	
City Hall	1027	EXT	81		Exterior - Building		FALSE	Surface Cylinder	CFL	CFL 23w Screw In / Integral CFL	1	0	7	7	0	Replace fixture with LED Surface Mount Silescent Downlight	Integral LED / Integral LED Driver	7	7	
City Hall	1028	EXT	82		Exterior - Building		FALSE	Step Light	CFL	CFL 13w Screw in / Integral CFL	1	0	2	2	0	DND - Decorative Fixture	N/A / N/A	2	0	

City Hall	1029	EXT	83		Exterior - Parking / Grounds		FALSE	Cobrahead (2 Head)	HID	250w HPS / HID-250	2	2	4	8	8	DND - Removed from Scope (Future City Project)	N/A / N/A	4	4	
City Hall	1030	EXT	84		Exterior - Parking / Grounds		FALSE	Shoebox	HID	400w HPS / HID-400	1	1	7	7	7	DND - Removed from Scope (Future City Project)	N/A / N/A	7	7	
City Hall	1031	EXT	85		Exterior - Parking / Grounds		FALSE	Shoebox (2 Head)	HID	400w MH / HID-400	2	2	1	2	2	DND - Removed from Scope (Future City Project)	N/A / N/A	1	1	
City Hall	1032	EXT	86		Exterior - Parking / Grounds		FALSE	Shoebox (3 Head)	HID	400w MH / HID-400	3	3	2	6	6	DND - Removed from Scope (Future City Project)	N/A / N/A	2	2	
City Hall	1033	EXT	87		Exterior - Building		FALSE	Flood	HID	100w MH / HID-100	1	1	5	5	5	Replace fixture with LED Flood (56w /7680lm)	Integral LED / Integral LED Driver	5	5	
City Hall	1034	EXT	88		Exterior - Building		FALSE	Flood	HID	70w MH / HID-70	1	1	2	2	2	Replace fixture with LED Flood (56w /7680lm)	Integral LED / Integral LED Driver	2	2	
City Hall	1035	EXT	89		Exterior - Building		FALSE	Step Light	CFL	CFL 13w Screw in / Integral CFL	1	0	2	2	0	DND - Decorative Fixture	N/A / N/A	2	0	
100% Savings													1,522	3,591	1,620			1,522	1,651	0
Project Savings													1,522	3,591	1,620			1,522	1,651	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
West Annex	1036	1	1		Vestible / Foyer	82	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
West Annex	1037	1	1		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
West Annex	1038	1	2		Restroom - Public	70	FALSE	4' Wrap	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with (3) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	3	
West Annex	1039	1	3		Office - Open	60	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	7	21	7	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	7	7	
West Annex	1040	1	3		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
West Annex	1041	1	4		Office - Open	60	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	7	21	7	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	7	7	
West Annex	1042	1	5		Mechanical Room		FALSE	Industrial Box High Bay	HID	250w MH / HID-250	2	2	12	24	24	Replace fixture with LED IP High Bay - requires extensive P&W work (101w / 17003lm)	Integral LED / Integral LED Driver	12	12	
West Annex	1043	1	5		Mechanical Room		FALSE	Industrial Box High Bay	HID	250w MH / HID-250	2	2	6	12	12	Replace fixture with LED IP High Bay - requires extensive P&W work (101w / 17003lm)	Integral LED / Integral LED Driver	6	6	
West Annex	1044	1	5		Mechanical Room		FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	9	18	9	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	9	18	
West Annex	1045	1	5		Mechanical Room		FALSE	Flood	INC	150w Incandescent / N/A	1	0	5	5	0	Replace fixture with LED Flood (22w / 3591lm)	Integral LED / Integral LED Driver	5	5	
West Annex	1046	1	5		Mechanical Room		FALSE	Jelly Jar	INC	60w Incandescent / N/A	1	0	13	13	0	Replace fixture with LED Vandal Resistant Wall Pack (45w / 5400lm)	Integral LED / Integral LED Driver	13	13	
West Annex	1047	1	5		Mechanical Room		FALSE	Wall Pack	HID	150w MH / HID-150	1	1	7	7	7	Replace fixture with LED Vandal Resistant Wall Pack (75w / 9000lm)	Integral LED / Integral LED Driver	7	7	
West Annex	1048	1	5		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
West Annex	1049	1	6		Storage - General		FALSE	Industrial Box High Bay	HID	250w MH / HID-250	2	2	8	16	16	Replace fixture with LED IP High Bay - requires extensive P&W work (101w / 17003lm)	Integral LED / Integral LED Driver	8	8	
West Annex	1050	1	6		Storage - General		FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6	
West Annex	1051	EXT	7		Exterior - Building		FALSE	Wall Pack	HID	150w MH / HID-150	1	1	2	2	2	Replace fixture with LED Vandal Resistant Wall Pack (75w / 9000lm)	Integral LED / Integral LED Driver	2	2	
West Annex	1052	EXT	8		Exterior - Building		FALSE	Wall Pack	HID	250w MH / HID-250	1	1	2	2	2	Replace fixture with LED Vandal Resistant Wall Pack (75w / 9000lm)	Integral LED / Integral LED Driver	2	2	
West Annex	1053	EXT	9		Exterior - Building		FALSE	Wall Pack - FLD	HID	70w MH / HID-70	1	1	2	2	2	Replace fixture with LED Vandal Resistant Wall Pack (45w / 5400lm)	Integral LED / Integral LED Driver	2	2	
100% Savings													88	161	99			88	102	0
Project Savings													88	161	99			88	102	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	# Exist. Lamps	# Exist. Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
DCM Building	1054	1	1		Vestible / Foyer	76	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	4	16	8	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
DCM Building	1055	1	1		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
DCM Building	1056	1	2		Restroom - Public	23	FALSE	Vanity (Screw In LED)	LED	LED SI / N/A	2	1	1	2	1	DND - Existing LED	N/A / N/A	1	1	
DCM Building	1057	1	3		Office - Open	84	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	13	52	26	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	13	13	
DCM Building	1058	1	3		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
DCM Building	1059	1	3		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
DCM Building	1060	1	4		Office - Private	68	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
DCM Building	1061	1	5		Storage - General	106	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
DCM Building	1062	1	6		Office - Open	33	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
DCM Building	1063	1	7		Break / Lounge	70	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
DCM Building	1064	1	8		Restroom - Public	32	FALSE	Vanity (Screw In LED)	LED	LED SI / N/A	2	1	1	2	1	DND - Existing LED	N/A / N/A	1	1	
DCM Building	1065	1	9		Restroom - Public	6	FALSE	Vanity (Screw In LED)	LED	LED SI / N/A	2	1	1	2	1	DND - Existing LED	N/A / N/A	1	1	
DCM Building	1066	1	9		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
DCM Building	1067	1	10		Restroom - Public	8	FALSE	Vanity (Screw In LED)	LED	LED SI / N/A	2	1	1	2	1	DND - Existing LED	N/A / N/A	1	1	
DCM Building	1068	1	11		Vestible / Foyer	80	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
DCM Building	1069	1	12		Vestible / Foyer	67	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
DCM Building	1070	1	13		Office - Private	113	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
DCM Building	1071	1	14		Office - Private	111	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
DCM Building	1072	1	15		Conference Room	40	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
DCM Building	1073	1	16		Office - Open	75	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
DCM Building	1074	1	17		Office - Private	75	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
DCM Building	1075	EXT	18		Exterior - Building		FALSE	Surface Mount	CFL	CFL 13w PL / CFL	2	2	1	2	2	Replace fixture with CNY Series LED (27w / 3500lm)	Integral LED / Integral LED Driver	1	1	
DCM Building	1076	EXT	19		Exterior - Building		FALSE	Flood	CFL	CFL 42w PL / CFL	1	1	4	4	4	Replace fixture with LED Flood (22w / 3591lm)	Integral LED / Integral LED Driver	4	4	
DCM Building	1077	EXT	20		Exterior - Building		FALSE	Flood (2 Head)	INC	100w Incandescent / N/A	2	0	3	6	0	Relamp fixture with (2) PAR38 LED	KT-LED18PAR38-F-840 / N/A	3	6	
100% Savings													61	206	106			61	62	0
Project Savings													61	206	106			61	62	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM					
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver	
Public Utilities Shop	1078	2	1		Office - Open	78	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4		
Public Utilities Shop	1079	2	1		Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1		
Public Utilities Shop	1080	2	2		Kitchen	91	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		
Public Utilities Shop	1081	2	3		Corridor / Hallway	44	FALSE	2x2 Rec. Acrylic	FL	F32T8UJ / 2L Electronic	2	1	3	6	3	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	3	3		
Public Utilities Shop	1082	2	3		Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1		
Public Utilities Shop	1083	2	4		Restroom - Public	33	FALSE	DECO	CFL	CFL 23w Screw In / Integral CFL	1	0	1	1	0	Replace fixture with LED Surface Drum	Integral LED / Integral LED Driver	1	1		
Public Utilities Shop	1084	2	5		Restroom - Public	24	FALSE	DECO	CFL	CFL 23w Screw In / Integral CFL	1	0	1	1	0	Replace fixture with LED Surface Drum	Integral LED / Integral LED Driver	1	1		
Public Utilities Shop	1085	2	6		Office - Private	50	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4		
Public Utilities Shop	1086	2	7		Office - Private	22	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2		
Public Utilities Shop	1087	2	8		Copy Room	66	FALSE	2x2 Rec. Parabolic	FL	F32T8UJ / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	2	2		
Public Utilities Shop	1088	2	9		Office - Private	83	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2		
Public Utilities Shop	1089	2	10		Stairwell - Interior	41	FALSE	LED - Screw In	LED	Integral LED / Integral LED Driver	1	0	3	3	0	DND - Existing LED	N/A / N/A	3	3		
Public Utilities Shop	1090	2	10		Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1		
Public Utilities Shop	1091	1	11		Storage - General	24	FALSE	Keyless	CFL	CFL 23w Screw In / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1		
Public Utilities Shop	1092	1	12		Truck Bay		FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		
Public Utilities Shop	1093	1	13		Truck Bay	10	FALSE	LED - Screw In	LED	Integral LED / Integral LED Driver	1	0	8	8	0	DND - Existing LED	N/A / N/A	8	8		
Public Utilities Shop	1094	1	14		Truck Bay		FALSE	LED - Screw In	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2		
Public Utilities Shop	1095	1	15		Truck Bay		FALSE	LED - Screw In	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2		
Public Utilities Shop	1096	1	16		Truck Bay		FALSE	LED - Screw In	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2		
Public Utilities Shop	1097	1	17		Truck Bay	35	FALSE	8' Industrial	FL	F96T8 / 2L Electronic	2	1	1	2	1	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	4		
Public Utilities Shop	1098	1	17		Truck Bay		FALSE	8' Industrial	FL	F96T8 / 2L Electronic	2	1	1	2	1	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	4		
Public Utilities Shop	1099	1	18		Truck Bay		FALSE	8' Industrial	FL	F96T8 / 2L Electronic	2	1	1	2	1	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	4		
Public Utilities Shop	1100	1	19		Fitness - Workout Room	58	FALSE	8' Wrap	LED	4' TLED / N/A	2	0	10	20	0	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	10	40		
Public Utilities Shop	1101	1	19		Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1		
Public Utilities Shop	1102	1	20		Restroom - Public	40	FALSE	4' Wrap	LED	4' TLED / 2L Electronic	2	1	1	2	1	Retrofit fixture with (4) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	4		
Public Utilities Shop	1103	1	21		Office - Private	5	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	6	24	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6		
Public Utilities Shop	1104	Ext	22		Exterior - Building		FALSE	Wall Pack (small)	LED	Integral LED / Integral LED Driver	1	1	2	2	2	DND - Existing LED	N/A / N/A	2	2		
Public Utilities Shop	1105	Ext	23		Exterior - Building		FALSE	Wall Pack (large)	LED	Integral LED / Integral LED Driver	1	1	2	2	2	DND - Existing LED	N/A / N/A	2	2		
Public Utilities Shop	1106	Ext	24		Exterior - Parking / Grounds		FALSE	Cobrahead	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1		
Public Utilities Shop	1107	Ext	25		Exterior - Building		FALSE	LED - Flood	LED	Integral LED / Integral LED Driver	1	1	3	3	3	DND - Existing LED	N/A / N/A	3	3		
Public Utilities Shop	1108	Ext	26		Exterior - Parking / Grounds		FALSE	Flood - WB	HID	400w MV / HID-400	1	1	2	2	2	DND - FPL fixtures	N/A / N/A	2	4		
Public Utilities Shop	1109	Ext	27		Exterior - Parking / Grounds		FALSE	Cobrahead	HID	250w HPS / HID-250	1	1	1	1	1	DND - FPL fixtures	N/A / N/A	1	2		
100% Savings													75	139	45			75	123	0	
Project Savings													75	139	45			75	123	0	

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	# Exist. Lamps	# Exist. Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Public Utilities Office	1110	1	1		Corridor / Hallway	28	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	4	16	8	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
Public Utilities Office	1111	1	1		Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	2	2	2	DND - Existing LED	N/A / N/A	2	2	
Public Utilities Office	1112	1	1		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	2	2	2	DND - Not in Scope (Emergency Egress)	N/A / N/A	2	0	
Public Utilities Office	1113	1	2		Office - Private	50	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Public Utilities Office	1114	1	3		Office - Private	52	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Public Utilities Office	1115	1	4		Office - Private	52	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Public Utilities Office	1116	1	5		Office - Private	50	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Public Utilities Office	1117	1	6		Office - Private	92	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Public Utilities Office	1118	1	7		Locker Room	64	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	12	48	24	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	12	12	
Public Utilities Office	1119	1	8		Locker Room - Showers	6	FALSE	LED - Recessed Can 6" (Screw In)	LED	LED SI / N/A	1	1	8	8	8	DND - Existing LED	N/A / N/A	8	8	
Public Utilities Office	1120	1	9		Locker Room	64	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	12	48	24	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	12	12	
Public Utilities Office	1121	1	10		Mechanical Room		FALSE	Keyless	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Public Utilities Office	1122	1	11		Break / Lounge	50	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	17	68	34	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	17	17	
Public Utilities Office	1123	1	11		Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	4	4	4	DND - Existing LED	N/A / N/A	4	4	
Public Utilities Office	1124	1	12		Corridor / Hallway	51	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Public Utilities Office	1125	1	12		Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	2	2	2	DND - Existing LED	N/A / N/A	2	2	
Public Utilities Office	1126	1	12		Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	2	2	2	DND - Not in Scope (Emergency Egress)	N/A / N/A	2	0	
Public Utilities Office	1127	1	13		Storage - General	86	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Public Utilities Office	1128	1	14		Storage - General	86	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Public Utilities Office	1129	1	15		Storage - General	86	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Public Utilities Office	1130	1	16		Storage - General	86	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Public Utilities Office	1131	1	17		Storage - General	18	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Public Utilities Office	1132	EXT	18		Exterior - Building		FALSE	Wall Pack (small)	LED	Integral LED / Integral LED Driver	1	1	2	2	2	DND - Existing LED	N/A / N/A	2	2	
Public Utilities Office	1133	EXT	19		Exterior - Building		FALSE	Wall Pack (large)	LED	Integral LED / Integral LED Driver	1	1	2	2	2	DND - Existing LED	N/A / N/A	2	2	
100% Savings													92	293	158			92	88	0
Project Savings													92	293	158			92	88	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Public Utilities Warehouse	1134	1	1		Warehouse	24	FALSE	8' Industrial	FL	F96T8 / 2L Electronic	2	1	21	42	21	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	21	84	
Public Utilities Warehouse	1135	1	1		Warehouse		FALSE	8' Industrial	LED	8' TLED / 2L Electronic	2	1	4	8	4	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	4	16	
Public Utilities Warehouse	1136	1	2		Office - Private	136	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	10	40	10	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	10	10	
Public Utilities Warehouse	1137	1	3		Storage - General	36	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	4	16	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
Public Utilities Warehouse	1138	1	4		Restroom - Private	85	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	1	4	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Public Utilities Warehouse	1139	1	5		Vestible / Foyer	35	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Public Utilities Warehouse	1140	1	5		Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1	
Public Utilities Warehouse	1141	1	6		Restroom - Public	83	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	3	12	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Public Utilities Warehouse	1142	1	7		Office - Open	22	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	6	24	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	6	6	
Public Utilities Warehouse	1143	1	8		Break / Lounge	34	FALSE	8' Industrial	FL	F96T8 / 2L Electronic	2	1	4	8	4	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	4	16	
Public Utilities Warehouse	1144	1	9		Storage - General	37	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 4L Electronic	4	1	2	8	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Public Utilities Warehouse	1145	1	10		Mechanical Room	27	FALSE	8' Strip	FL	F96T8 / 2L Electronic	2	1	1	2	1	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	1	4	
Public Utilities Warehouse	1146	1	11		Warehouse	30	FALSE	8' Industrial	FL	F96T8 / 2L Electronic	2	1	9	18	9	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	9	36	
Public Utilities Warehouse	1147	1	11		Warehouse		FALSE	ComCob LED	LED	LED SI / N/A	1	0	4	4	0	DND - Existing LED	N/A / N/A	4	4	
Public Utilities Warehouse	1148	1	12		Storage - General	21	FALSE	8' Industrial	FL	F96T8 / 2L Electronic	2	1	2	4	2	Retrofit 8' fixture with (4) 4' T8 LED Linear Tube, Normal Power LED Driver and Conversion Kit	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	2	8	
Public Utilities Warehouse	1149	1	13		Truck Bay		FALSE	ComCob LED	LED	LED SI / N/A	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Public Utilities Warehouse	1150	EX	14		Exterior - Parking / Grounds		FALSE	Cobrahead (2 Head)	HID	250w HPS / HID-250	2	2	2	4	4	Replace fixtures with (2) LED Area Luminaires - utilize existing mast arm (182w / 30342lm)	Integral LED / Integral LED Driver	2	4	
Public Utilities Warehouse	1151	EX	15		Exterior - Building		FALSE	LED - Flood	LED	Integral LED / Integral LED Driver	1	1	2	2	2	DND - Existing LED	N/A / N/A	2	2	
Public Utilities Warehouse	1152	EX	16		Exterior - Building		FALSE	Wall Pack (small)	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1	
Public Utilities Warehouse	1153	EX	17		Exterior - Building		FALSE	Flood	HID	250w HPS / HID-250	1	1	1	1	1	Replace fixture with LED Flood (100w /14469lm)	Integral LED / Integral LED Driver	1	1	
Public Utilities Warehouse	1154	EX	18		Exterior - Building		FALSE	Decorative Coach	CFL	CFL 42w PL / CFL	1	1	1	1	1	DND - Decorative Fixture	N/A / N/A	1	0	
100% Savings													81	203	78			81	206	0
Project Savings													81	203	78			81	206	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
PAL	1155	1	1	ENTRY	Lobby Area - Main	66	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	7	28	14	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	7	7	
PAL	1156	1	1	ENTRY	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
PAL	1157	1	2	OFFICE	Office - Open	40	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	4	16	8	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
PAL	1158	1	3	POOL TABLE ROOM	Multi Purpose	39	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	15	60	30	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	15	15	
PAL	1159	1	3	POOL TABLE ROOM	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
PAL	1160	1	4	CLASSROOM	Classroom - General	52	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	12	48	24	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	12	12	
PAL	1161	1	4	CLASSROOM	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
PAL	1162	1	4A	STORAGE	Storage - General		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
PAL	1163	1	5	A/C 1	Mechanical Room	25	FALSE	4' Strip	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	4	8	
PAL	1164	1	6	RR HALL	Corridor / Hallway	52	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
PAL	1165	1	6	RR HALL	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
PAL	1166	1	7	WOMENS ROOM	Restroom - Public	50	FALSE	2x4 Surf. Acrylic	FL	F32T8 / 2L Electronic	2	1	6	12	6	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	6	12	
PAL	1167	1	8	JANITOR	Custodial Closet	42	FALSE	2x4 Surf. Acrylic	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
PAL	1168	1		MENS ROOM	Restroom - Public	50	FALSE	2x4 Surf. Acrylic	FL	F32T8 / 2L Electronic	2	1	6	12	6	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	6	12	
PAL	1169	1	9	BOXING TRAINING AREA	Multi Purpose	57	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	53	212	106	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	53	53	
PAL	1170	1	9	BOXING TRAINING AREA	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	3	3	0	DND - Existing LED	N/A / N/A	3	3	
PAL	1171	1	10	STORAGE	Storage - General	39	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
PAL	1172	1	11	A/C 2	Mechanical Room	25	FALSE	4' Strip	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6	
PAL	1173	1	EXT	FRONT ENTRY	Exterior - Building		FALSE	Recessed Square 12"	HID	100w MH / HID-100	1	1	9	9	9	Replace fixture with LED Surface Mount Silescent Downlight	Integral LED / Integral LED Driver	9	9	
PAL	1174	1	EXT	CONCESSION AREA	Exterior - Building		FALSE	Recessed Square 12"	HID	100w MH / HID-100	1	1	5	5	5	Replace fixture with LED Surface Mount Silescent Downlight	Integral LED / Integral LED Driver	5	5	
PAL	1175	1	EXT	FLAG FLOOD	Exterior - Building		FALSE	Flood	HID	150w MH / HID-150	1	1	1	1	1	Replace fixture with LED Flood (56w / 7680lm)	Integral LED / Integral LED Driver	1	1	
100% Savings													141	455	231			141	161	0
Project Savings													141	455	231			141	161	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
PAL - Sports Lighting	1176	1	EXT	BASKETBALL COURT	Exterior - Sports Lighting		FALSE	Sports Lighter (3 Head)	HID	1000w MH / HID-1000	3	3	3	9	9	Replace fixtures with (3) LED SportsLighter (1350w / 175500lm) - utilize existing pole and mounting arms (Ubicquia)	Integral LED / Integral LED Driver	3	9	
100% Savings													3	9	9			3	9	0
Project Savings													3	9	9			3	9	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors / N) (Y	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Fire Station #5	1181	1	5		Truck Bay	67	FALSE	2x4 High Bay	FL	FP54T5HO / 3L Electronic	6	2	10	60	20	Replace fixture with LED High Bay (101w / 17003lm)	Integral LED / Integral LED Driver	10	10	

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	# Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Fire Maintenance	1284	1	1	Warehouse	Warehouse	67	FALSE	High Bay	HID	400w MH / HID-400	1	1	7	7	7	Replace fixture with LED High Bay (101w / 17003lm)	Integral LED / Integral LED Driver	7	7	
Fire Maintenance	1285	1	1	Warehouse	Warehouse		FALSE	LED - High Bay	LED	Integral LED / Integral LED Driver	1	1	10	10	10	DND - Existing LED	N/A / N/A	10	10	
Fire Maintenance	1286	1	1	Warehouse	Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	3	6	6	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	3	3	
Fire Maintenance	1287	1	2	114	Office - Private	57	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Fire Maintenance	1288	1	3	113	Office - Private	35	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Fire Maintenance	1289	1	4	115	Office - Private		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Fire Maintenance	1290	1	5	116	Office - Private		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Fire Maintenance	1291	1	6	111	Office - Private		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Fire Maintenance	1292	1	7	109	Locker Room	57	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2	
Fire Maintenance	1293	1	8		Restroom - Public	37	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	1	1	
Fire Maintenance	1294	1	9		Locker Room - Showers		FALSE	Recessed Can	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Fire Maintenance	1295	1	10	104	Office - Private		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Fire Maintenance	1296	1	11	107	Break / Lounge	75	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
Fire Maintenance	1297	1	12	118	Office - Private	106	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
Fire Maintenance	1298	1	13		Corridor / Hallway	35	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	8	16	8	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	8	8	
Fire Maintenance	1299	1	13		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	3	6	6	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	3	3	
Fire Maintenance	1300	1	14		Garage Area		FALSE	LED - High Bay	LED	Integral LED / Integral LED Driver	1	1	12	12	12	DND - Existing LED	N/A / N/A	12	12	
Fire Maintenance	1301	1	14		Garage Area	36	FALSE	Wall Pack (large)	LED	Integral LED / Integral LED Driver	1	1	6	6	6	DND - Existing LED	N/A / N/A	6	6	
Fire Maintenance	1302	1	14		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	3	6	6	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	3	3	
Fire Maintenance	1303	1	15		Storage - General	26	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	6	12	6	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	6	6	
Fire Maintenance	1304	1	16		Workshop	24	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6	
Fire Maintenance	1305	1	17	125	Mechanical Room	28	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Fire Maintenance	1306	1	18	126	Mechanical Room		FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Fire Maintenance	1307	1	19		Storage - Equipment	12	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Fire Maintenance	1308	1	20	128	Workroom	38	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	6	12	6	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	6	12	
Fire Maintenance	1309	1	20	128	Workroom		FALSE	8' Industrial	FL	F32T8 / 4L Electronic	4	1	2	8	2	Retrofit fixture with (4) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-4LT8-UV-12C-VDIM	2	8	
Fire Maintenance	1310	1	20	128	Exit Sign		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	1	1	1	DND - Not in Scope (Emergency Egress)	N/A / N/A	1	0	
Fire Maintenance	1311	1	21	129	Storage - Flammable	55	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Fire Maintenance	1312	1	22	103	Storage - Flammable		FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Fire Maintenance	1313	EXT	23	15	Exterior - Building		FALSE	LED - Decorative (Screw In LED)	LED	LED SI / N/A	1	0	4	4	0	DND - Existing LED	N/A / N/A	4	4	

Fire Maintenance	1314	EXT	24	15	Exterior - Building		FALSE	LED - Decorative (Screw In LED)	LED	LED SI / N/A	1	0	8	8	0	DND - Existing LED	N/A / N/A	8	8	
Fire Maintenance	1315	EXT	25	15	Exterior - Building		FALSE	LED - Decorative (Screw In LED)	LED	LED SI / N/A	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
Fire Maintenance	1316	EXT	26	15	Exterior - Building		FALSE	Wall Pack - FLD	HID	250w MH / HID-250	1	1	1	1	1	Replace fixture with LED Vandal Resistant Wall Pack (75w / 9000lm)	Integral LED / Integral LED Driver	1	1	
Fire Maintenance	1317	EXT	27	15	Exterior - Building		FALSE	Wall Pack	HID	250w MH / HID-250	1	1	4	4	4	Replace fixture with LED Vandal Resistant Wall Pack (75w / 9000lm)	Integral LED / Integral LED Driver	4	4	
Fire Maintenance	1318	EXT	28	15	Exterior - Building		FALSE	Flood	HID	400w MH / HID-400	1	1	3	3	3	Replace fixture with LED High Power Flood (290w / 40600lm) - utilize existing wall arm w/Slipfitter (existing control to remain)	Integral LED / Integral LED Driver	3	3	
Fire Maintenance	1319	EXT	29	16	Exterior - Building		FALSE	Jelly Jar	CFL	CFL 23w Screw In / Integral CFL	1	0	4	4	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	4	4	
Fire Maintenance	1320	EXT	30	16	Exterior - Parking / Grounds		FALSE	Shoebox	HID	250w MH / HID-250	1	1	2	2	2	Replace fixture with LED Area Luminaire - replace tenon slipfitter - 1 @ 90 (54w / 9377lm)	Integral LED / Integral LED Driver	2	2	
Fire Maintenance	1321	EXT	31	16	Exterior - Parking / Grounds		FALSE	Shoebox	HID	250w MH / HID-250	1	1	6	6	6	Replace fixture with LED Area Luminaire - replace tenon slipfitter - 1 @ 90 (54w / 9377lm)	Integral LED / Integral LED Driver	6	6	
Fire Maintenance	1322	EXT	32	16	Exterior - Parking / Grounds		FALSE	Shoebox	HID	400w HPS / HID-400	1	1	7	7	7	Replace fixture with LED Area Luminaire - replace tenon slipfitter - 1 @ 90 (136w / 19874lm)	Integral LED / Integral LED Driver	7	7	
Fire Maintenance	1323	EXT	33	16	Exterior - Parking / Grounds		FALSE	Shoebox	HID	250w MH / HID-250	2	2	2	4	4	Replace fixtures with (2) LED Area Luminaires - replace tenon slipfitter - 2 @ 180 (108w / 18754lm)	Integral LED / Integral LED Driver	2	4	
100% Savings													147	252	151			147	173	0
Project Savings													147	252	151			147	173	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Fire Training Building	1324	1	1	101	Lobby Area - Main	24	FALSE	Chandelier	CFL	CFL 26w PL / CFL	4	1	1	4	1	DND - Decorative Fixture	N/A / N/A	1	0	
Fire Training Building	1325	1	1		Lobby Area - Main		FALSE	Recessed Can 6" - Horz	CFL	CFL 42w PL / CFL	2	1	8	16	8	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	8	8	
Fire Training Building	1326	1	1		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
Fire Training Building	1327	1	2	102	Restroom - Public	12	FALSE	Recessed Can 6" - Horz	CFL	CFL 13w PL / CFL	2	2	1	2	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Fire Training Building	1328	1	3	130	Server / Com Room	46	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	4	8	4	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	4	4	
Fire Training Building	1329	1	4	131	Office - Private	31	FALSE	2x2 Rec. Parabolic	FL	F32T8/U / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	2	2	
Fire Training Building	1330	1	5		Storage - General	30	FALSE	2x2 Rec. Parabolic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Training Building	1331	1	5		Storage - General		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Training Building	1332	1	6		Truck Bay	46	FALSE	High Bay	HID	400w MH / HID-400	1	1	5	5	5	Replace fixture with LED High Bay (101w / 17003lm)	Integral LED / Integral LED Driver	5	5	
Fire Training Building	1333	1	6		Truck Bay		FALSE	Wall Pack (small)	LED	Integral LED / Integral LED Driver	1	1	6	6	6	DND - Existing LED	N/A / N/A	6	6	
Fire Training Building	1334	1	6		Truck Bay		FALSE	Surface Mount	CFL	CFL 32w PL / CFL	2	1	4	8	4	Replace fixture with LED Surface Mount Silescent Downlight	Integral LED / Integral LED Driver	4	4	
Fire Training Building	1335	1	7	135	Laundry	16	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Training Building	1336	1	8	136	Storage - General	8	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Training Building	1337	1	9	137	Storage - General	12	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Fire Training Building	1338	1	10	138	Storage - General	12	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Fire Training Building	1339	1	11	129	Storage - General	12	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Fire Training Building	1340	1	12	127	Library	105	FALSE	2x2 Rec. Parabolic	FL	F32T8/U / 2L Electronic	2	1	4	8	4	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	4	4	
Fire Training Building	1341	1	12	127	Library		FALSE	Recessed Can 6" - Horz	CFL	CFL 26w PL / CFL	2	1	4	8	4	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	4	4	
Fire Training Building	1342	1	13	125	Kitchen - Storage	17	FALSE	Recessed Can 6" - Horz	CFL	CFL 13w PL / CFL	2	2	2	4	4	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	2	2	
Fire Training Building	1343	1	14	124	Kitchen - Storage		FALSE	Recessed Can 6" - Horz	CFL	CFL 13w PL / CFL	2	2	2	4	4	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	2	2	
Fire Training Building	1344	1	15	123	Kitchen - Storage		FALSE	Recessed Can 6" - Horz	CFL	CFL 13w PL / CFL	2	2	2	4	4	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	2	2	
Fire Training Building	1345	1	16	122	Custodial Closet	13	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Training Building	1346	1	17		Kitchen	56	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	8	16	8	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	8	8	
Fire Training Building	1347	1	17		Kitchen		FALSE	Jelly Jar	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Training Building	1348	1	17		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
Fire Training Building	1349	1	17		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
Fire Training Building	1350	1	18		Dayroom	52	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	6	12	6	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	6	6	
Fire Training Building	1351	1	18		Dayroom		FALSE	Recessed Can 6" - Horz	CFL	CFL 26w PL / CFL	2	1	14	28	14	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	14	14	
Fire Training Building	1352	1	18		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
Fire Training Building	1353	1	19	117	Office - Private	53	FALSE	2x2 Rec. Parabolic	FL	F32T8/U / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	2	2	

Fire Training Building	1354	1	19	117	Office - Private		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	2	1	2	4	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	2	2	
Fire Training Building	1355	1	20	116	Office - Private	47	FALSE	2x2 Rec. Parabolic	FL	F32T8/U / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	2	2	
Fire Training Building	1356	1	20	116	Office - Private		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	2	1	2	4	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	2	2	
Fire Training Building	1357	1	21	115	Office - Private	57	FALSE	2x2 Rec. Parabolic	FL	F32T8/U / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	2	2	
Fire Training Building	1358	1	21	115	Office - Private		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	2	1	2	4	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	2	2	
Fire Training Building	1359	1	22	114	Office - Private	42	FALSE	2x2 Rec. Parabolic	FL	F32T8/U / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	2	2	
Fire Training Building	1360	1	22	114	Office - Private		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	2	1	2	4	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	2	2	
Fire Training Building	1361	1	23	110	Fitness - Workout Room	30	FALSE	2x2 Rec. Parabolic	FL	F32T8/U / 2L Electronic	2	1	6	12	6	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	6	6	
Fire Training Building	1362	1	23	110	Fitness - Workout Room		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	2	1	8	16	8	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	8	8	
Fire Training Building	1363	1	24	107	Classroom - General	42	FALSE	2x2 Rec. Parabolic	FL	F32T8/U / 2L Electronic	2	1	16	32	16	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	16	16	
Fire Training Building	1364	1	24	107	Classroom - General		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	2	1	36	72	36	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	36	36	
Fire Training Building	1365	1	24	107	Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	2	4	4	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	2	2	
Fire Training Building	1366	1	25	108	Storage - General		FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	6	12	6	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	6	12	
Fire Training Building	1367	1	26	128	Conference Room	59	FALSE	2x2 Rec. Parabolic	FL	F32T8/U / 2L Electronic	2	1	4	8	4	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	4	4	
Fire Training Building	1368	1	26	128	Conference Room		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	2	1	4	8	4	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	4	4	
Fire Training Building	1369	1	27	105	Restroom - Public	14	FALSE	Recessed Can 6" - Horiz	CFL	CFL 13w PL / CFL	2	2	6	12	12	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	6	6	
Fire Training Building	1370	1	28	105	Locker Room - Showers		FALSE	Recessed Can 6" - Horiz	CFL	CFL 13w PL / CFL	2	2	3	6	6	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	3	3	
Fire Training Building	1371	1	29	104	Restroom - Public	20	FALSE	Recessed Can 6" - Horiz	CFL	CFL 13w PL / CFL	2	2	6	12	12	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	6	6	
Fire Training Building	1372	1	30	104	Locker Room - Showers		FALSE	Recessed Can 6" - Horiz	CFL	CFL 13w PL / CFL	2	2	3	6	6	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	3	3	
Fire Training Building	1373	1	31		Corridor / Hallway	60	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	24	48	24	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	24	24	
Fire Training Building	1374	1	31		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	6	12	12	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	6	6	
Fire Training Building	1375	EXT	32		Exterior - Covered Walkway		FALSE	Surface Mount	CFL	CFL 32w PL / CFL	2	1	9	18	9	Replace fixture with LED Surface Mount Silescent Downlight	Integral LED / Integral LED Driver	9	9	
Fire Training Building	1376	EXT	33		Exterior - Building		FALSE	LED - Decorative (Screw In LED)	LED	LED SI / N/A	1	0	4	4	0	DND - Existing LED	N/A / N/A	4	4	
Fire Training Building	1377	EXT	34		Exterior - Building		FALSE	LED - Decorative (Screw In LED)	LED	LED SI / N/A	1	0	1	1	0	DND - Existing LED	N/A / N/A	1	1	
Fire Training Building	1378	EXT	35		Exterior - Covered Walkway		FALSE	Surface Mount	CFL	CFL 32w PL / CFL	2	1	2	4	2	Replace fixture with LED Surface Mount Silescent Downlight	Integral LED / Integral LED Driver	2	2	
Fire Training Building	1379	EXT	36		Exterior - Building		FALSE	Surface Mount	CFL	CFL 32w PL / CFL	2	1	2	4	2	Replace fixture with LED Surface Mount Silescent Downlight	Integral LED / Integral LED Driver	2	2	
Fire Training Building	1380	EXT	37		Exterior - Parking / Grounds		FALSE	Shoebox	HID	250w MH / HID- 250	1	1	18	18	18	Replace fixture with LED Area Luminaire - replace tenon slipfitter - 1 @ 90 (54w / 9377lm)	Integral LED / Integral LED Driver	18	18	
Fire Training Building	1381	EXT	38		Exterior - Parking / Grounds		FALSE	Shoebox	HID	400w HPS / HID- 400	1	1	1	1	1	Replace fixture with LED Area Luminaire - replace tenon slipfitter - 1 @ 90 (136w / 19874lm)	Integral LED / Integral LED Driver	1	1	
Fire Training Building	1382	EXT	39		Exterior - Covered Walkway		FALSE	LED - Decorative (Screw In LED)	LED	LED SI / N/A	1	0	2	2	0	DND - Existing LED	N/A / N/A	2	2	
100% Savings													274	511	302			274	288	0
Project Savings													274	511	302			274	288	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Fire Training Building - West Side Poles	5007.00	1		West Side Poles	Exterior - Parking / Grounds		FALSE	No Existing Fixture		N/A / N/A	1	1	1	1	1	Install LED High Power Flood (290w / 40600lm) - utilize existing pole. New fixture to be mounted on new 2 arm bullhorn, existing LED Area fixture to be re-installed. (Integrated SmartLoop Control) -	Integral LED / Integral LED Driver	1	1	
Fire Training Building - West Side Poles	5008.00	1		West Side Poles	Exterior - Parking / Grounds		FALSE	No Existing Fixture		N/A / N/A	1	1	4	4	4	Install LED High Power Flood (290w / 40600lm) - utilize existing pole. New fixture to be mounted on center arm of new 3 arm bullhorn, existing LED Area fixtures to be re-installed. (Integrated	Integral LED / Integral LED Driver	4	4	
100% Savings													5	5	5			5	5	0
Project Savings													5	5	5			5	5	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Fire Station #74	1504	1	17		Truck Bay	62	FALSE	High Bay	FL	FP54T5HO / 4L Electronic	4	1	20	80	20	Replace fixture with LED High Bay (101w / 17003lm)	Integral LED / Integral LED Driver	20	20	
Fire Station #74	1505	1	17		Truck Bay		FALSE	High Bay	FL	FP54T5HO / 4L Electronic	4	1	5	20	5	Replace fixture with LED High Bay (101w / 17003lm)	Integral LED / Integral LED Driver	5	5	

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	# Exst. Lamps	# Exst. Ballast	Exst. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Fire Station #31	1601	1	1	146	Laundry	12	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Fire Station #31	1602	1	2	145	Storage - General	11	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Fire Station #31	1603	1	3	144	Storage - General	14	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Fire Station #31	1604	1	4	143	Med Room	8	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #31	1605	1	5	136	Storage - General	27	FALSE	4' Industrial	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #31	1606	1	6		Truck Bay	34	FALSE	High Bay - Acrylic Bell	HID	400w MH / HID-400	1	1	7	7	7	Replace fixture with LED High Bay (101w / 17003lm)	Integral LED / Integral LED Driver	7	7	
Fire Station #31	1607	1	6		Truck Bay		FALSE	2x4 High Bay	FL	FP54T5HO / 3L Electronic	6	2	1	6	2	Replace fixture with LED High Bay (101w / 17003lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1608	1	6		Truck Bay		FALSE	Wall Pack	HID	150w MH / HID-150	1	1	7	7	7	Replace fixture with LED Vandal Resistant Wall Pack (75w / 9000lm)	Integral LED / Integral LED Driver	7	7	
Fire Station #31	1609	1	6		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1	
Fire Station #31	1610	1	6		Truck Bay		FALSE	Emergency Bug Eye	N/A	N/A / N/A	1	1	4	4	4	DND - Not in Scope (Emergency Egress)	N/A / N/A	4	0	
Fire Station #31	1611	1	7	141	Office - Open	50	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Fire Station #31	1612	1	8	139	Bunk Room	43	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1613	1	8	139	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #31	1614	1	9		Vestible / Foyer		FALSE	Recessed Can 6"	CFL	CFL 18w PL / CFL	2	2	6	12	12	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	6	6	
Fire Station #31	1615	1	10	138	Restroom - Public	20	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1616	1	10	138	Restroom - Public		FALSE	3' Vanity	FL	PLL 35w / 2L Electronic	2	1	1	2	1	Relamp fixture with (2) 10w PLL-LED lamps	KT-10PLL-12GC-840-D / N/A	1	2	
Fire Station #31	1617	1	11	132	Restroom - Public	26	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1618	1	11	132	Restroom - Public		FALSE	3' Vanity	FL	PLL 35w / 2L Electronic	2	1	1	2	1	Relamp fixture with (2) 10w PLL-LED lamps	KT-10PLL-12GC-840-D / N/A	1	2	
Fire Station #31	1619	1	11	132	Restroom - Public		FALSE	Recessed Can	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1620	1	12	133	Restroom - Public	24	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1621	1	12	133	Restroom - Public		FALSE	3' Vanity	FL	PLL 35w / 2L Electronic	2	1	1	2	1	Relamp fixture with (2) 10w PLL-LED lamps	KT-10PLL-12GC-840-D / N/A	1	2	
Fire Station #31	1622	1	12	133	Restroom - Public		FALSE	Recessed Can	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1623	1	13	134	Restroom - Public		FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1624	1	13	134	Restroom - Public		FALSE	3' Vanity	FL	PLL 35w / 2L Electronic	2	1	1	2	1	Relamp fixture with (2) 10w PLL-LED lamps	KT-10PLL-12GC-840-D / N/A	1	2	
Fire Station #31	1625	1	13	134	Restroom - Public		FALSE	Recessed Can	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1626	1	14		Corridor / Hallway		FALSE	Recessed Can 6"	CFL	CFL 18w PL / CFL	2	2	20	40	40	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	20	20	
Fire Station #31	1627	1	15	129	Bunk Room	45	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1628	1	15	129	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #31	1629	1	16	128	Bunk Room	26	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1630	1	16	128	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	

Fire Station #31	1631	1	17	127	Bunk Room	13	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1632	1	17	127	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #31	1633	1	18	126	Bunk Room	40	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1634	1	18	126	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #31	1635	1	19	118	Bunk Room	43	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1636	1	19	118	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #31	1637	1	20	117	Bunk Room	35	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1638	1	20	117	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #31	1639	1	21	116	Bunk Room	17	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1640	1	21	116	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #31	1641	1	22	115	Bunk Room	25	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1642	1	22	115	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #31	1643	1	23		Kitchen	65	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Fire Station #31	1644	1	24		Café / Dining Area		FALSE	Recessed Can 6"	CFL	CFL 18w PL / CFL	2	2	6	12	12	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	6	6	
Fire Station #31	1645	1	24		Café / Dining Area	21	FALSE	2x2 Rec. Acrylic	FL	F17T8 / 2L Electronic	3	1	2	6	2	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	2	2	
Fire Station #31	1646	1	25		Dayroom	16	FALSE	Recessed Can 6"	CFL	CFL 18w PL / CFL	2	2	6	12	12	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	6	6	
Fire Station #31	1647	1	25		Dayroom		FALSE	Recessed Can 6"	CFL	CFL 18w PL / CFL	2	2	6	12	12	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	6	6	
Fire Station #31	1648	1	26	108	Fitness - Workout Room	30	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Fire Station #31	1649	1	27	147	Server / Com Room		FALSE	4" Industrial	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4" T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #31	1650	1	28	107	Office - Private		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Fire Station #31	1651	1	29	106	Bunk Room		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1652	1	29	106	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #31	1653	1	30	105	Restroom - Private		FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1654	1	30	105	Restroom - Private		FALSE	3" Vanity	FL	PLL 35w / 2L Electronic	2	1	1	2	1	Relamp fixture with (2) 10w PLL-LED lamps	KT-10PLL-12GC-840-D / N/A	1	2	
Fire Station #31	1655	1	30	105	Restroom - Private		FALSE	Recessed Can	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1656	1	31	102	Office - Private		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1657	1	32	103	Bunk Room		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	2	6	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2	
Fire Station #31	1658	1	32	103	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #31	1659	1	33	104	Restroom - Private	71	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1660	1	33	104	Restroom - Private		FALSE	3" Vanity	FL	PLL 35w / 2L Electronic	2	1	1	2	1	Relamp fixture with (2) 10w PLL-LED lamps	KT-10PLL-12GC-840-D / N/A	1	2	
Fire Station #31	1661	1	33	104	Restroom - Private		FALSE	Recessed Can	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1662	1	34	110	Office - Private	30	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Fire Station #31	1663	1	35	111	Bunk Room	29	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1664	1	35	111	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	

Fire Station #31	1665	1	36	112	Restroom - Private	34	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1666	1	36	112	Restroom - Private		FALSE	3' Vanity	FL	PLL 35w / 2L Electronic	2	1	1	2	1	Relamp fixture with (2) 10w PLL-LED lamps	KT-10PLL-12GC-840-D / N/A	1	2	
Fire Station #31	1667	1	36	112	Restroom - Private		FALSE	Recessed Can	CFL	CFL 13w Screw In / Integral CFL	1	0	1	1	0	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1668	1	37		Corridor / Hallway - Connector Halls	5	FALSE	Recessed Can 6"	CFL	CFL 18w PL / CFL	2	2	1	2	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1669	1	38	114	Bunk Room	33	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	1	3	1	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #31	1670	1	38	114	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw In / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
100% Savings													136	268	164			136	148	0
Project Savings													136	268	164			136	148	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM				
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver
Fire Station #105	1671	2	1	202	Fitness - Workout Room	24	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	8	16	8	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	8	8	
Fire Station #105	1672	2	2		Storage - General	112	FALSE	Ceiling Fan	CFL	CFL 23w Screw In / Integral CFL	2	0	4	8	0	DND - Decorative Fixture	N/A / N/A	4	0	
Fire Station #105	1673	2	2		Parking Garage		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	2	1	2	4	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	2	2	
Fire Station #105	1674	2	3	201	Mechanical Room	7	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1675	2	4	221	Storage - General	50	FALSE	1x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1676	2	5	220	Kitchen	84	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 3L Electronic	3	1	4	12	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	4	4	
Fire Station #105	1677	2	5	220	Kitchen		FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1678	2	6	217	Kitchen - Prep / Cook Area	19	FALSE	2x2 Rec. Volumetric	FL	F17T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1679	2	7	218	Kitchen - Prep / Cook Area		FALSE	2x2 Rec. Volumetric	FL	F17T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1680	2	8	219	Kitchen - Prep / Cook Area		FALSE	2x2 Rec. Volumetric	FL	F17T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1681	2	9	205	Restroom - Public	33	FALSE	4' Vanity	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1682	2	10	203	Multi Purpose	53	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	6	12	6	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	6	6	
Fire Station #105	1683	2	11	204	Storage - General		FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2	
Fire Station #105	1684	2	12		Dayroom	55	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	13	26	13	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	13	13	
Fire Station #105	1685	2	12		Dayroom		FALSE	Recessed Can 6" Dim	INC	75w Incandescent / N/A	1	0	13	13	0	Retrofit fixture with 6" LED Recessed Can Kit (Triac Dimming)	Integral LED / Integral LED Driver	13	13	
Fire Station #105	1686	2	13	214	Office - Private		FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Fire Station #105	1687	2	14	213	Office - Private	44	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Fire Station #105	1688	2	15	212	Bunk Room	18	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1689	2	15	212	Bunk Room		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	2	1	1	2	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1690	2	15	212	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #105	1691	2	16	211	Vestible / Foyer	17	FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	1	1	1	1	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1692	2	17	210	Restroom - Private	44	FALSE	4' Vanity	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1693	2	18	210	Restroom - Private		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	1	1	1	1	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1694	2	19	209	Bunk Room	31	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1695	2	19	209	Bunk Room		FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	2	1	1	2	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1696	2	19	209	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #105	1697	2	20	208	Office - Private	48	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Fire Station #105	1698	2	21	216	Corridor / Hallway	30	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	4	4	
Fire Station #105	1699	2	22	215	Lobby Area - Main	58	FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	2	1	5	10	5	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	5	5	
Fire Station #105	1700	2	22	215	Lobby Area - Main		FALSE	Sconce	CFL	CFL 26w PL / CFL	2	1	1	2	1	Relamp fixture with (2) 9w LED PL G24q lamps	KT-LED94P-H-840-S / N/A	1	2	

Fire Station #105	1701	1	23	106	Office - Open	58	FALSE	2x4 Rec. Parabolic	FL	F32T8 / 3L Electronic	3	1	3	9	3	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3	
Fire Station #105	1702	1	24	105	Bunk Room	20	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1703	1	24	105	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #105	1704	1	25	104	Corridor / Hallway	23	FALSE	Recessed Can 6" - Horz	CFL	CFL 26w PL / CFL	2	1	4	8	4	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	4	4	
Fire Station #105	1705	1	25	104	Corridor / Hallway		FALSE	Recessed Can 6" - Horz - Emergency Battery	CFL	CFL 26w PL / CFL	2	1	1	2	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02) - Emergency Battery	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1706	1	25	104	Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	2	4	4	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	2	2	
Fire Station #105	1707	1	26	111	Bunk Room	19	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1708	1	26	111	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #105	1709	1	26	111	Bunk Room		FALSE	2" Vanity	FL	FP14T5 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 2" T8 LED Linear Tube and Normal Power LED Driver	KT-LED8T8-24G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1710	1	27	115	Bunk Room	23	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1711	1	27	115	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #105	1712	1	27	115	Bunk Room		FALSE	2" Vanity	FL	FP14T5 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 2" T8 LED Linear Tube and Normal Power LED Driver	KT-LED8T8-24G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1713	1	28	117	Restroom - Public	19	FALSE	4" Vanity	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4" T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1714	1	29	117	Restroom - Public		FALSE	Recessed Can 6" - Horz	CFL	CFL 26w PL / CFL	1	1	1	1	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1715	1	30	120	Restroom - Public	22	FALSE	4" Vanity	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4" T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1716	1	31	120	Restroom - Public		FALSE	Recessed Can 6" - Horz	CFL	CFL 26w PL / CFL	1	1	1	1	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1717	1	32	118	Restroom - Public	23	FALSE	4" Vanity	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4" T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1718	1	33	118	Restroom - Public		FALSE	Recessed Can 6" - Horz	CFL	CFL 26w PL / CFL	1	1	1	1	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1719	1	34	116	Restroom - Public	29	FALSE	4" Vanity	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4" T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1720	1	35	116	Restroom - Public		FALSE	Recessed Can 6" - Horz	CFL	CFL 26w PL / CFL	1	1	1	1	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1721	1	36	112	Bunk Room	17	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1722	1	36	112	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #105	1723	1	36	112	Bunk Room		FALSE	2" Vanity	FL	FP14T5 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 2" T8 LED Linear Tube and Normal Power LED Driver	KT-LED8T8-24G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1724	1	37	113	Bunk Room	27	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	2	2	
Fire Station #105	1725	1	37	113	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #105	1726	1	37	113	Bunk Room		FALSE	2" Vanity	FL	FP14T5 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 2" T8 LED Linear Tube and Normal Power LED Driver	KT-LED8T8-24G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1727	1	38	110	Bunk Room	10	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1728	1	38	110	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #105	1729	1	38	110	Bunk Room		FALSE	2" Vanity	FL	FP14T5 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 2" T8 LED Linear Tube and Normal Power LED Driver	KT-LED8T8-24G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1730	1	39	109	Bunk Room	8	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1731	1	39	109	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #105	1732	1	39	109	Bunk Room		FALSE	2" Vanity	FL	FP14T5 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 2" T8 LED Linear Tube and Normal Power LED Driver	KT-LED8T8-24G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1733	1	40	108	Bunk Room		FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1734	1	40	108	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw in / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	

Fire Station #105	1735	1	40	108	Bunk Room		FALSE	2" Vanity	FL	FP14T5 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 2' T8 LED Linear Tube and Normal Power LED Driver	KT-LED8T8-24G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1736	1	41	107	Bunk Room	15	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1737	1	41	107	Bunk Room		FALSE	CFL Screw In	CFL	CFL 13w Screw In / Integral CFL	1	0	1	1	0	Relamp fixture with A19 LED	KT-LED11A19-O-840 / N/A	1	1	
Fire Station #105	1738	1	41	107	Bunk Room		FALSE	2" Vanity	FL	FP14T5 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 2' T8 LED Linear Tube and Normal Power LED Driver	KT-LED8T8-24G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1739	1	42		Vestible / Foyer	19	FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	2	1	1	2	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1740	1	43	132	Corridor / Hallway	25	FALSE	Recessed Can 6" - Horiz	CFL	CFL 26w PL / CFL	2	1	14	28	14	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	14	14	
Fire Station #105	1741	1	43	132	Corridor / Hallway		FALSE	Recessed Can 6" - Horiz - Emergency Battery	CFL	CFL 26w PL / CFL	2	1	2	4	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02) - Emergency Battery	Integral LED / Integral LED Driver	2	2	
Fire Station #105	1742	1	43	132	Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	4	8	8	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	4	4	
Fire Station #105	1743	1	44	131	Lobby Area - Main	48	FALSE	Chandelier	CFL	CFL 26w PL / CFL	4	1	1	4	1	DND - Decorative Fixture	N/A / N/A	1	0	
Fire Station #105	1744	1	44	131	Lobby Area - Main		FALSE	Sconce	CFL	CFL 26w PL / CFL	2	1	1	2	1	Relamp fixture with (2) 9w LED PL G24q lamps	KT-LED94P-H-840-S / N/A	1	2	
Fire Station #105	1745	STA	45	1	Stainwell - Interior	35	FALSE	4" Vanity	FL	F32T8 / 2L Electronic	2	1	3	6	3	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	3	6	
Fire Station #105	1746	STA	46	2	Stainwell - Interior	13	FALSE	4" Vanity	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2	
Fire Station #105	1747	STA	46	2	Stainwell - Interior		FALSE	2" Vanity	FL	F17T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 2' T8 LED Linear Tube and Normal Power LED Driver	KT-LED8T8-24G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Fire Station #105	1748	1	47	133	Truck Bay	17	FALSE	High Bay	HID	400w MH / HID-400	1	1	12	12	12	Replace fixture with LED High Bay (101w / 17003lm)	Integral LED / Integral LED Driver	12	12	
Fire Station #105	1749	1	47	133	Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	3	6	6	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	3	3	
Fire Station #105	1750	1	48	139	Laundry	52	FALSE	4" Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Fire Station #105	1751	1	49	138	Storage - General	29	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	1	1	
Fire Station #105	1752	1	50	137	Storage - General	28	FALSE	4" Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4	
Fire Station #105	1753	1	51	136	Storage - General	25	FALSE	4" Vapor Tight	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	4	8	
Fire Station #105	1754	1	52	135	Storage - General	41	FALSE	2x2 Rec. Acrylic	FL	F32T8/U / 2L Electronic	2	1	2	4	2	Retrofit fixture with 2x2 LED Door Kit (24w / 3227lm)	Integral LED / Integral LED Driver	2	2	
Fire Station #105	1755	EXT	53		Exterior - Building		FALSE	Wall Pack - FLD	HID	70w MH / HID-70	1	1	15	15	15	Replace fixture with LED Wall Pack - Full Cut (23w / 4072lm)	Integral LED / Integral LED Driver	15	15	
Fire Station #105	1756	EXT	54		Exterior - Parking / Grounds		FALSE	Shoebox	HID	250w MH / HID-250	1	1	5	5	5	Replace fixture with LED Area Luminaire - replace tenon slipfitter - 1 @ 90 (54w / 9377lm)	Integral LED / Integral LED Driver	5	5	
Fire Station #105	1757	EXT	55		Exterior - Building		FALSE	Recessed Can 6" - Horiz	CFL	CFL 32w PL / CFL	2	1	1	2	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	1	1	
100% Savings													208	372	189			208	235	0
Project Savings													208	372	189			208	235	0

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM					PROPOSED OCCUPANCY SENSORS		
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors / N) (Y	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver	% Reduction	Qty	Sensor
Fire Station #40 - Parking Garage	1758	1	1		Parking Garage	12	FALSE	LED - High Bay (Screw In)	LED	LED SI / N/A	1	0	30	30	0	DND - Existing LED	N/A / N/A	30	30		0.00%	0	N/A
Fire Station #40 - Parking Garage	1759	1	1		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	4	8	8	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	4	4		0.00%	0	N/A
Fire Station #40 - Parking Garage	1760	1	2		Storage - Equipment	6	FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		30.00%	1	WSX-PDT-SA-WH
Fire Station #40 - Parking Garage	1761	1	3		Vestible / Foyer		FALSE	Recessed Can 6"-Horz	CFL	CFL 26w PL / CFL	2	1	1	2	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02)	Integral LED / Integral LED Driver	1	1		30.00%	1	CMPDT10
Fire Station #40 - Parking Garage	1762	1	3		Vestible / Foyer		FALSE	Recessed Can 6"-Horz - Emergency Battery	CFL	CFL 26w PL / CFL	2	1	2	4	2	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL02) - Emergency Battery	Integral LED / Integral LED Driver	2	2		30.00%	0	Controlled by Proposed Sensor
Fire Station #40 - Parking Garage	1763	1	3		Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1		0.00%	0	N/A
Fire Station #40 - Parking Garage	1764	EXT	4		Exterior - Building		FALSE	Recessed Can 6"-Vert	CFL	CFL 26w PL / CFL	1	1	1	1	1	Retrofit fixture with 6" LED Recessed Can Kit (LBR6-AL01)	Integral LED / Integral LED Driver	1	1		0.00%	0	N/A
Fire Station #40 - Parking Garage	1765	STA	5	3	Stairwell - Interior	7	FALSE	4' Vapor Tight - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver - Emergency Battery Back Up	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		0.00%	0	N/A
Fire Station #40 - Parking Garage	1766	STA	5	3	Stairwell - Interior		FALSE	4' Vapor Tight - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver - Emergency Battery Back Up	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		0.00%	0	N/A
Fire Station #40 - Parking Garage	1767	STA	5	3	Stairwell - Interior		FALSE	4' Vapor Tight - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver - Emergency Battery Back Up	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		0.00%	0	N/A
Fire Station #40 - Parking Garage	1768	STA	5	3	Exit Sign		FALSE	Exit Sign w/battery	CFL	CFL 7w PL / CFL	2	2	1	2	2	Replace fixture with LED Exit Sign w/Battery Back Up	N/A / N/A	1	1		0.00%	0	N/A
Fire Station #40 - Parking Garage	1769	STA	6		Stairwell - Interior		FALSE	4' Vapor Tight - Emergency Battery	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver - Emergency Battery Back Up	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		0.00%	0	N/A
Fire Station #40 - Parking Garage	1770	EXT	7		Exterior - Building		FALSE	Sconce	HID	150w MH / HID-150	1	1	6	6	6	DND - Decorative Fixture	N/A / N/A	6	0		0.00%	0	N/A
Fire Station #40 - Parking Garage	1771	EXT	8		Exterior - Building		FALSE	Wall Pack	CFL	CFL 32w PL / CFL	2	1	1	2	1	Replace fixture with LED Wall Pack - Full Cut (16w / 289lm)	Integral LED / Integral LED Driver	1	1		0.00%	0	N/A
100% Savings													56	75	32			56	59	0			
Project Savings													56	75	32			56	59	0		2	

BUILDING / ROOM INFORMATION								EXISTING SYSTEM								PROPOSED SYSTEM					PROPOSED OCCUPANCY SENSORS		
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver	% Reduction	Qty	Sensor
251 South Parking Garage	1772	1	1	OFFICE	Office - Open	42	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	2	8	4	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	2	2		30.00%	1	CMPDPT10
251 South Parking Garage	1773	1	1	OFFICE	Office - Open		FALSE	2x4 Rec. Acrylic	LED	4' TLED / N/A	2	0	1	2	0	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	1	1		30.00%	0	Controlled by Proposed Sensor
251 South Parking Garage	1774	1	2	OFFICE	Office - Open	34	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	3	12	6	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	3	3		30.00%	1	CMPDPT10
251 South Parking Garage	1775	1	3	STORAGE	Storage - General	33	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with 2x4 LED Door Kit (29w / 4028lm)	Integral LED / Integral LED Driver	1	1		30.00%	2	WSX-PDT-SA-WH
251 South Parking Garage	1776	1	4	RESTROOM	Restroom - Public	51	FALSE	2x4 Rec. Acrylic	FL	F32T8 / 4L Electronic	4	2	1	4	2	Retrofit fixture with 2x4 LED Door Kit (34w / 4964lm)	Integral LED / Integral LED Driver	1	1		30.00%	1	WSX-PDT-SA-WH
251 South Parking Garage	1777	1		LEVEL 1 - PARKING AREA	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	32	32	32	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	32	32		0.00%	0	Integrated Bi-Level Sensor
251 South Parking Garage	1778	1		LEVEL 1 - PARKING AREA	Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	4	4	4	DND - Existing LED	N/A / N/A	4	4		0.00%	0	N/A
251 South Parking Garage	1779	1		LEVEL 1 - ELEVATOR LANDING	Parking Garage		FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		0.00%	0	N/A
251 South Parking Garage	1780	1		LEVEL 2 - PARKING AREA	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	32	32	32	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	32	32		0.00%	0	Integrated Bi-Level Sensor
251 South Parking Garage	1781	1		LEVEL 2 - PARKING AREA	Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	4	4	4	DND - Existing LED	N/A / N/A	4	4		0.00%	0	N/A
251 South Parking Garage	1782	1		LEVEL 2 - ELEVATOR LANDING	Parking Garage		FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		0.00%	0	N/A
251 South Parking Garage	1783	1		LEVEL 3 - PARKING AREA	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	32	32	32	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	32	32		0.00%	0	Integrated Bi-Level Sensor
251 South Parking Garage	1784	1		LEVEL 3 - PARKING AREA	Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	4	4	4	DND - Existing LED	N/A / N/A	4	4		0.00%	0	N/A
251 South Parking Garage	1785	1		LEVEL 3 - ELEVATOR LANDING	Parking Garage		FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		0.00%	0	N/A
251 South Parking Garage	1786	1		LEVEL 4 - PARKING AREA	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	32	32	32	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	32	32		0.00%	0	Integrated Bi-Level Sensor
251 South Parking Garage	1787	1		LEVEL 4 - PARKING AREA	Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	4	4	4	DND - Existing LED	N/A / N/A	4	4		0.00%	0	N/A
251 South Parking Garage	1788	1		LEVEL 4 - ELEVATOR LANDING	Parking Garage		FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		0.00%	0	N/A
251 South Parking Garage	1789	1		LEVEL 5 - PARKING AREA	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	24	24	24	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	24	24		0.00%	0	Integrated Bi-Level Sensor
251 South Parking Garage	1790	1		LEVEL 5 - PARKING AREA	Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	4	4	4	DND - Existing LED	N/A / N/A	4	4		0.00%	0	N/A
251 South Parking Garage	1791	1		LEVEL 5 - ELEVATOR LANDING	Parking Garage		FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		0.00%	0	N/A
251 South Parking Garage	1792	1		LEVEL 6 - ROOF DECK	Exterior - Parking / Grounds		FALSE	Shoebox (large)	LED	Integral LED / Integral LED Driver	3	3	3	9	9	DND - Existing LED	N/A / N/A	3	3		0.00%	9	UbiCell Node
251 South Parking Garage	1793	1		LEVEL 6 - ROOF DECK	Exit Sign		FALSE	Exit Sign w/battery & lights	LED	Integral LED / Integral LED Driver	1	1	4	4	4	DND - Existing LED	N/A / N/A	4	4		0.00%	0	N/A
251 South Parking Garage	1794	1		LEVEL 6 - ELEVATOR LANDING	Exterior - Building		FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		0.00%	0	N/A
251 South Parking Garage	1795	1		STARWELL 1	Stairwell - Interior		FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	14	28	14	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	14	28		0.00%	0	N/A
251 South Parking Garage	1796	1		STARWELL 2	Stairwell - Interior		FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	14	28	14	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	14	28		0.00%	0	N/A
251 South Parking Garage	1797	1	5	ELECTRICAL ROOM	Electrical		FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	2	4	2	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	2	4		0.00%	0	N/A
251 South Parking Garage	1798	1	6	PUMP ROOM	Mechanical Room		FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	4	8	4	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	4	8		0.00%	0	N/A
251 South Parking Garage	1799	1		ENTRY	Exterior - Building		FALSE	Wall Pack (small)	LED	Integral LED / Integral LED Driver	1	1	3	3	3	DND - Existing LED	N/A / N/A	3	3		0.00%	0	N/A
100% Savings													236	308	247			236	282	0			
Project Savings													236	308	247			236	282	0		14	

BUILDING / ROOM INFORMATION							EXISTING SYSTEM								PROPOSED SYSTEM					PROPOSED OCCUPANCY SENSORS			
Facility / Building	Ref #	Floor	Map ID / Room #	Room Description	Area Type	Lighting Levels FC	Existing Occupancy Sensors (Y / N)	Existing Fixture Description	Technology Category (INC, CF, FL, IND, HID, LED)	Existing Lamp & Ballast Type	Exist. # Lamps	Exist. # Ballast	Exist. Fixt. Qty	Exist. Total # Lamps	Exist. Total # Ballasts / Generator / Driver	ECM Description	ECM Lamps & Ballast Type	ECM Qty	ECM Total # Lamps	ECM Total # Ballasts / Driver	% Reduction	Qty	Sensor
Radius Parking Garage	1800	1		LEVEL 1 - ENTRY	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	14	14	14	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	14	14		0.00%	0	Integrated Bi-Level Sensor
Radius Parking Garage	1801	1		LEVEL 1 - ENTRY	Parking Garage		FALSE	Wall Pack (small)	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1		0.00%	0	N/A
Radius Parking Garage	1802	1		LEVEL 1 - ELEVATOR LOBBY	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	2	2	2	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	2	2		0.00%	0	Integrated Bi-Level Sensor
Radius Parking Garage	1803	1		LEVEL 1 - ELEVATOR LOBBY	Parking Garage		FALSE	Wall Pack (small)	LED	Integral LED / Integral LED Driver	1	1	1	1	1	DND - Existing LED	N/A / N/A	1	1		0.00%	0	N/A
Radius Parking Garage	1804	1		LEVEL 1 - RETAIL WALKWAY	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	11	11	11	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	11	11		0.00%	0	Integrated Bi-Level Sensor
Radius Parking Garage	1805	1		LEVEL 1 - DRIVE THROUGH	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	9	9	9	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	9	9		0.00%	0	Integrated Bi-Level Sensor
Radius Parking Garage	1806	1		LEVEL 1 - DRIVE THROUGH	Parking Garage		FALSE	LED - Canopy	LED	Integral LED / Integral LED Driver	1	1	8	8	8	DND - Existing LED	N/A / N/A	8	8		0.00%	0	N/A
Radius Parking Garage	1807	1		LEVEL 1 - DRIVE THROUGH	Parking Garage		FALSE	4' Wrap	LED	Integral LED / Integral LED Driver	1	1	6	6	6	DND - Existing LED	N/A / N/A	6	6		0.00%	0	N/A
Radius Parking Garage	1808	1		LEVEL 1 - DRIVE THROUGH	Parking Garage		FALSE	4' Vapor Tight	FL	F32T8 / 2L Electronic	2	1	1	2	1	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	1	2		0.00%	0	N/A
Radius Parking Garage	1809	1		LEVEL 1	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	14	14	0	DND - Existing LED	N/A / N/A	14	14		0.00%	0	N/A
Radius Parking Garage	1810	1		LEVEL 1	Parking Garage		FALSE	Emergency Light	CFL	PLL 24w / CFL	1	1	15	15	15	DND - Not in Scope (Emergency Egress)	N/A / N/A	15	0		0.00%	0	N/A
Radius Parking Garage	1811	1		LEVEL 2 - PARKING AREA	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	44	44	44	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	44	44		0.00%	0	Integrated Bi-Level Sensor
Radius Parking Garage	1812	1		LEVEL 2 - ELEVATOR LANDING	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	2	2	2	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	2	2		0.00%	0	Integrated Bi-Level Sensor
Radius Parking Garage	1813	1		LEVEL 2	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	12	12	0	DND - Existing LED	N/A / N/A	12	12		0.00%	0	N/A
Radius Parking Garage	1814	1		LEVEL 2	Parking Garage		FALSE	Emergency Light	CFL	PLL 24w / CFL	1	1	15	15	15	DND - Not in Scope (Emergency Egress)	N/A / N/A	15	0		0.00%	0	N/A
Radius Parking Garage	1815	1		LEVEL 3 - PARKING AREA	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	45	45	45	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	45	45		0.00%	0	Integrated Bi-Level Sensor
Radius Parking Garage	1816	1		LEVEL 3 - ELEVATOR LANDING	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	2	2	2	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	2	2		0.00%	0	Integrated Bi-Level Sensor
Radius Parking Garage	1817	1		LEVEL 3	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	13	13	0	DND - Existing LED	N/A / N/A	13	13		0.00%	0	N/A
Radius Parking Garage	1818	1		LEVEL 3	Parking Garage		FALSE	Emergency Light	CFL	PLL 24w / CFL	1	1	15	15	15	DND - Not in Scope (Emergency Egress)	N/A / N/A	15	0		0.00%	0	N/A
Radius Parking Garage	1819	1		LEVEL 4 - PARKING AREA	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	45	45	45	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	45	45		0.00%	0	Integrated Bi-Level Sensor
Radius Parking Garage	1820	1		LEVEL 4 - ELEVATOR LANDING	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	2	2	2	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	2	2		0.00%	0	Integrated Bi-Level Sensor
Radius Parking Garage	1821	1		LEVEL 4	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	13	13	0	DND - Existing LED	N/A / N/A	13	13		0.00%	0	N/A
Radius Parking Garage	1822	1		LEVEL 4	Parking Garage		FALSE	Emergency Light	CFL	PLL 24w / CFL	1	1	15	15	15	DND - Not in Scope (Emergency Egress)	N/A / N/A	15	0		0.00%	0	N/A
Radius Parking Garage	1823	1		LEVEL 5 - PARKING AREA	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	45	45	45	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	45	45		0.00%	0	Integrated Bi-Level Sensor
Radius Parking Garage	1824	1		LEVEL 5 - ELEVATOR LANDING	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	2	2	2	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	2	2		0.00%	0	Integrated Bi-Level Sensor
Radius Parking Garage	1825	1		LEVEL 5	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	7	7	0	DND - Existing LED	N/A / N/A	7	7		0.00%	0	N/A
Radius Parking Garage	1826	1		LEVEL 5	Parking Garage		FALSE	Emergency Light	CFL	PLL 24w / CFL	1	1	14	14	14	DND - Not in Scope (Emergency Egress)	N/A / N/A	14	0		0.00%	0	N/A
Radius Parking Garage	1827	1		LEVEL 6 - PARKING AREA	Parking Garage		FALSE	Garage Canopy	IND	80w Induction / Induction Generator	1	1	19	19	19	Replace fixture with LED Garage Luminaire w/occupancy sensor - Pendant Mount (50w / 7000lm)	Integral LED / Integral LED Driver	19	19		0.00%	0	Integrated Bi-Level Sensor
Radius Parking Garage	1828	1		LEVEL 6	Exit Sign		FALSE	Exit Sign w/battery	LED	Integral LED / Integral LED Driver	1	0	6	6	0	DND - Existing LED	N/A / N/A	6	6		0.00%	0	N/A
Radius Parking Garage	1829	1		LEVEL 6	Parking Garage		FALSE	Emergency Light	CFL	PLL 24w / CFL	1	1	6	6	6	DND - Not in Scope (Emergency Egress)	N/A / N/A	6	0		0.00%	0	N/A
Radius Parking Garage	1830	1		LEVEL 7 - ROOF DECK	Exterior - Parking / Grounds		FALSE	Shoebox (large)	LED	Integral LED / Integral LED Driver	1	2	4	4	8	DND - Existing LED	N/A / N/A	4	4		0.00%	4	Ubicell Node
Radius Parking Garage	1831	1		STARWELL 1	Stairwell - Interior	29	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	13	26	13	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	13	26		0.00%	0	N/A
Radius Parking Garage	1832	1		STARWELL 2	Stairwell - Interior	34	FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	13	26	13	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	13	26		0.00%	0	N/A
Radius Parking Garage	1833	1		DOORWAY TO CONDOS	Parking Garage		FALSE	4' Wrap	FL	F32T8 / 2L Electronic	2	1	7	14	7	Retrofit fixture with (2) 4' T8 LED Linear Tube and Normal Power LED Driver	KT-KED12T8-48G-840-E / KTLED-2LT8-UV-12C-VDIM	7	14		0.00%	0	N/A

Radius Parking Garage	1834	1		EXTERIOR	Exterior - Building		FALSE	Wall Pack (large)	LED	Integral LED / Integral LED Driver	1	1	5	5	5	DND - Existing LED	N/A / N/A	5	5		0.00%	0	N/A
Radius Parking Garage	1835	1		EXTERIOR	Exterior - Building		FALSE	Wall Pack - FCT	HID	250w MH / HID-250	1	1	2	2	2	Replace fixture with LED Architectural Wall Pack - Full Cut (65w / 8249lm)	Integral LED / Integral LED Driver	2	2		0.00%	0	N/A
100% Savings													448	482	387			448	402	0			
Project Savings													448	482	387			448	402	0		4	

ATTACHMENT #2 –

SPORTS LIGHTING DESIGNS

Washington Park
Hollywood, FL

Lighting System

Pole/Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
A1-A2	70'	70'	3	TLC-LED-1500	4.23 kW	A
		16'	1	TLC-BT-575	0.57 kW	A
B1	70'	70'	3	TLC-LED-1500	4.23 kW	A
		16'	1	TLC-BT-575	0.57 kW	A
B2	70'	70'	4	TLC-LED-1500	5.64 kW	A
		16'	1	TLC-BT-575	0.57 kW	A
BA1-BA2	35'	35'	2	TLC-LED-550	1.08 kW	D
		70'	4	TLC-LED-1500	5.64 kW	A
C1-C3	70'	16'	1	TLC-BT-575	0.57 kW	A
		70'	3	TLC-LED-1200	3.51 kW	B
		16'	1	TLC-BT-575	0.57 kW	B
		70'	1	TLC-LED-1500	1.41 kW	B
		70'	2	TLC-LED-1200	2.34 kW	B
		70'	2	TLC-LED-550	1.08 kW	F
		16'	2	TLC-BT-575	1.15 kW	B
		70'	3	TLC-LED-1200	3.51 kW	B
		16'	1	TLC-BT-575	0.57 kW	B
		70'	2	TLC-LED-550	1.08 kW	F
F4	70'	70'	3	TLC-LED-1200	3.51 kW	B
		70'	3	TLC-LED-1200	3.51 kW	B
F6	70'	16'	1	TLC-BT-575	0.57 kW	B
		70'	1	TLC-LED-1500	1.41 kW	B
		70'	2	TLC-LED-1200	2.34 kW	B
		70'	2	TLC-LED-550	1.08 kW	F
		16'	2	TLC-BT-575	1.15 kW	B
		70'	3	TLC-LED-1200	3.51 kW	B
F7	70'	16'	1	TLC-BT-575	0.57 kW	B
		25'	1	TLC-LED-550	0.54 kW	C
P1-P4	25'	25'	1	TLC-LED-550	0.54 kW	C
PG1	35'	35'	1	TLC-LED-550	0.54 kW	E
21			73		73.52 kW	

Circuit Summary					
Circuit	Description	Avg Load	Max Load	Fixture Qty	
A	MUGA	39.28 kW	39.27 kW	32	
B	Football	26.14 kW	26.14 kW	26	
C	Racquetball	2.16 kW	2.16 kW	4	
D	Basketball	2.16 kW	2.16 kW	4	
E	Playground	0.54 kW	0.54 kW	1	
F	Security	3.24 kW	3.24 kW	6	

Fixture Type Summary								
Type	Source		Wattage	Lumens	L90	L80	L70	Quantity
TLC-BT-575	LED 5700K - 75 CRI		575W	52,000	>120,000	>120,000	>120,000	15
TLC-LED-1200	LED 5700K - 75 CRI		1170W	150,000	>120,000	>120,000	>120,000	16
TLC-LED-1500	LED 5700K - 75 CRI		1410W	181,000	>120,000	>120,000	>120,000	27
TLC-LED-550	LED 5700K - 75 CRI		540W	67,000	>120,000	>120,000	>120,000	15

Single Luminaire Amperage Draw Chart								
Driver Specifications (.90 min power factor)		Line Amperage Per Luminaire (max draw)						
Single Phase Voltage		208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
TLC-BT-575		3.3	3.2	2.9	2.5	2.0	1.8	1.5
TLC-LED-1200		6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-1500		8.4	7.9	7.3	6.3	5.0	4.6	3.6
TLC-LED-550		3.2	3.0	2.8	2.4	1.9	1.8	1.4

Light Level Summary

Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination Ave					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Basketball	Horizontal Illuminance	30.33	17	40	2.31	1.76	D	4
Football	Horizontal Illuminance	33.27	23	42	1.79	1.42	B	26
MUGA	Horizontal Illuminance	33.81	19	51	2.64	1.74	A	32
Playground	Horizontal Illuminance	17.48	12	23	1.84	1.41	E	1
Racquetball	Horizontal Illuminance	30.37	20	37	1.88	1.52	C	4

From Hometown to Professional



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Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
4	F1 F3 F5 F7	70'	-	70'	TLC-LED-1200	3	3	0
				15.5'	TLC-BT-575	1	1	0
2	F2 F6	70'	-	70'	TLC-LED-1200	2	2	0
				70'	TLC-LED-1500	1	1	0
				70'	TLC-LED-550	2	0	2
				15.5'	TLC-BT-575	2	2	0
6	Totals					30	26	4



Washington Park

Hollywood, FL

Grid Summary
Name Football
Size 360' x 160'
Spacing 30.0'
Height 3.0' above grade

Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Guaranteed Average	30
Scan Average	33.27
Maximum	42
Minimum	23
Avg/Min	1.42
Guaranteed Max/Min	3
Max/Min	1.79
UG (adjacent pts)	1.48
CU	0.67
No. of Points	72
LUMINAIRE INFORMATION	
Applied Circuits	B
No. of Luminaires	26
Total Load	26.14 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
4	P1-P4	25'	-	25'	TLC-LED-550	1	1	0
4	Totals					4	4	0

*Above Grade level relative to the field



Washington Park

Hollywood, FL

Grid Summary	
Name	Racquetball
Size	40' x 95'
Spacing	10.0'
Height	3.0' above grade

Illumination Summary	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Guaranteed Average	30
Scan Average	30.37
Maximum	37
Minimum	20
Avg/Min	1.52
Guaranteed Max/Min	3
Max/Min	1.88
UG (adjacent pts)	1.33
CU	0.48
No. of Points	40
LUMINAIRE INFORMATION	
Applied Circuits	C
No. of Luminaires	4
Total Load	2.16 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	BA1-BA2	35'	-	35'	TLC-LED-550	2	2	0
2	Totals					4	4	0

*Above Grade level relative to the field



Washington Park

Hollywood, FL

Grid Summary	
Name	Basketball
Size	94' x 50'
Spacing	10.0'
Height	3.0' above grade

Illumination Summary	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Guaranteed Average	30
Scan Average	30.33
Maximum	40
Minimum	17
Avg/Min	1.76
Guaranteed Max/Min	3
Max/Min	2.31
UG (adjacent pts)	1.52
CU	0.60
No. of Points	50
LUMINAIRE INFORMATION	
Applied Circuits	D
No. of Luminaires	4
Total Load	2.16 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume $\pm 3\%$ nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	PG1	35'	-	35'	TLC-LED-550	1	1	0
1	Totals					1	1	0

*Above Grade level relative to the field



Washington Park

Hollywood, FL

Grid Summary
Name Playground
Size 37' x 43'
Spacing 10.0'
Height 3.0' above grade

Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Scan Average	17.48
Maximum	23
Minimum	12
Avg/Min	1.41
Max/Min	1.84
UG (adjacent pts)	1.42
CU	0.44
No. of Points	16
LUMINAIRE INFORMATION	
Applied Circuits	E
No. of Luminaires	1
Total Load	0.54 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
3	A1-A2 B1	70'	-	70'	TLC-LED-1500	3	3	0
				15.5'	TLC-BT-575	1	1	0
4	B2 C1-C3	70'	-	70'	TLC-LED-1500	4	4	0
				15.5'	TLC-BT-575	1	1	0
7	Totals					32	32	0

*Above Grade level relative to the field



Washington Park

Hollywood, FL

Grid Summary	
Name	MUGA
Size	360' x 270'
Spacing	20.0'
Height	3.0' above grade

Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Guaranteed Average	30
Scan Average	33.81
Maximum	51
Minimum	19
Avg/Min	1.74
Guaranteed Max/Min	3
Max/Min	2.64
UG (adjacent pts)	1.56
CU	0.69
No. of Points	252
LUMINAIRE INFORMATION	
Applied Circuits	A
No. of Luminaires	32
Total Load	39.27 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



Washington Park

Hollywood, FL

Equipment Layout

INCLUDES:

- Basketball
- Football
- MUGA
- Playground
- Racquetball

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Equipment List For Areas Shown

Pole				Luminaires		
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE
3	A1-A2	70'	-	70'	TLC-LED-1500	3
	B1			15.5'	TLC-BT-575	1
4	B2	70'	-	70'	TLC-LED-1500	4
	C1-C3			15.5'	TLC-BT-575	1
2	BA1-BA2	35'	-	35'	TLC-LED-550	2
4	F1	70'	-	70'	TLC-LED-1200	3
	F3			15.5'	TLC-BT-575	1
	F5					
	F7					
2	F2	70'	-	70'	TLC-LED-1200	2
	F6			70'	TLC-LED-1500	1
				70'	TLC-LED-550	2
				15.5'	TLC-BT-575	2
1	F4	70'	-	70'	TLC-LED-550	2
4	P1-P4	25'	-	25'	TLC-LED-550	1
1	PG1	35'	-	35'	TLC-LED-550	1
21	Totals					73

Single Luminaire Amperage Draw Chart

Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Single Phase Voltage							
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	1.8	1.4



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Hollywood Police Athletic League
Hollywood, FL

Lighting System

Pole/Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
F1-F3	60'	60'	3	TLC-LED-1200	3.51 kW	A
		16'	1	TLC-BT-575	0.57 kW	A
F4-F6	60'	60'	3	TLC-LED-1200	3.51 kW	A
		60'	3	TLC-LED-1200	3.51 kW	B
		16'	1	TLC-BT-575	0.57 kW	A
		16'	1	TLC-BT-575	0.57 kW	B
F7	60'	60'	3	TLC-LED-1200	3.51 kW	B
		16'	1	TLC-BT-575	0.57 kW	B
F8-F9	60'	60'	3	TLC-LED-1200	3.51 kW	B
		60'	3	TLC-LED-1200	3.51 kW	C
		16'	1	TLC-BT-575	0.57 kW	B
		60'	2	TLC-LED-1200	2.34 kW	C
11			58		60.72 kW	

Circuit Summary			
Circuit	Description	Load	Fixture Qty
A	Football 1	24.51 kW	24
B	Football 2	24.51 kW	24
C	MUGA	11.70 kW	10

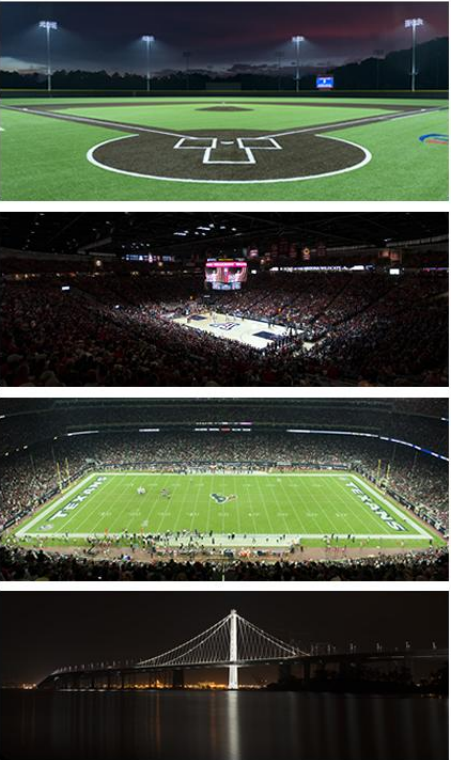
Fixture Type Summary								
Type	Source		Wattage	Lumens	L90	L80	L70	Quantity
TLC-BT-575	LED 5700K - 75 CRI		575W	52,000	>120,000	>120,000	>120,000	12
TLC-LED-1200	LED 5700K - 75 CRI		1170W	150,000	>120,000	>120,000	>120,000	46

Single Luminaire Amperage Draw Chart								
Driver Specifications (.90 min power factor)		Line Amperage Per Luminaire (max draw)						
Single Phase Voltage		208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
TLC-LED-1200		6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-BT-575		3.3	3.2	2.9	2.5	2.0	1.8	1.5

Light Level Summary

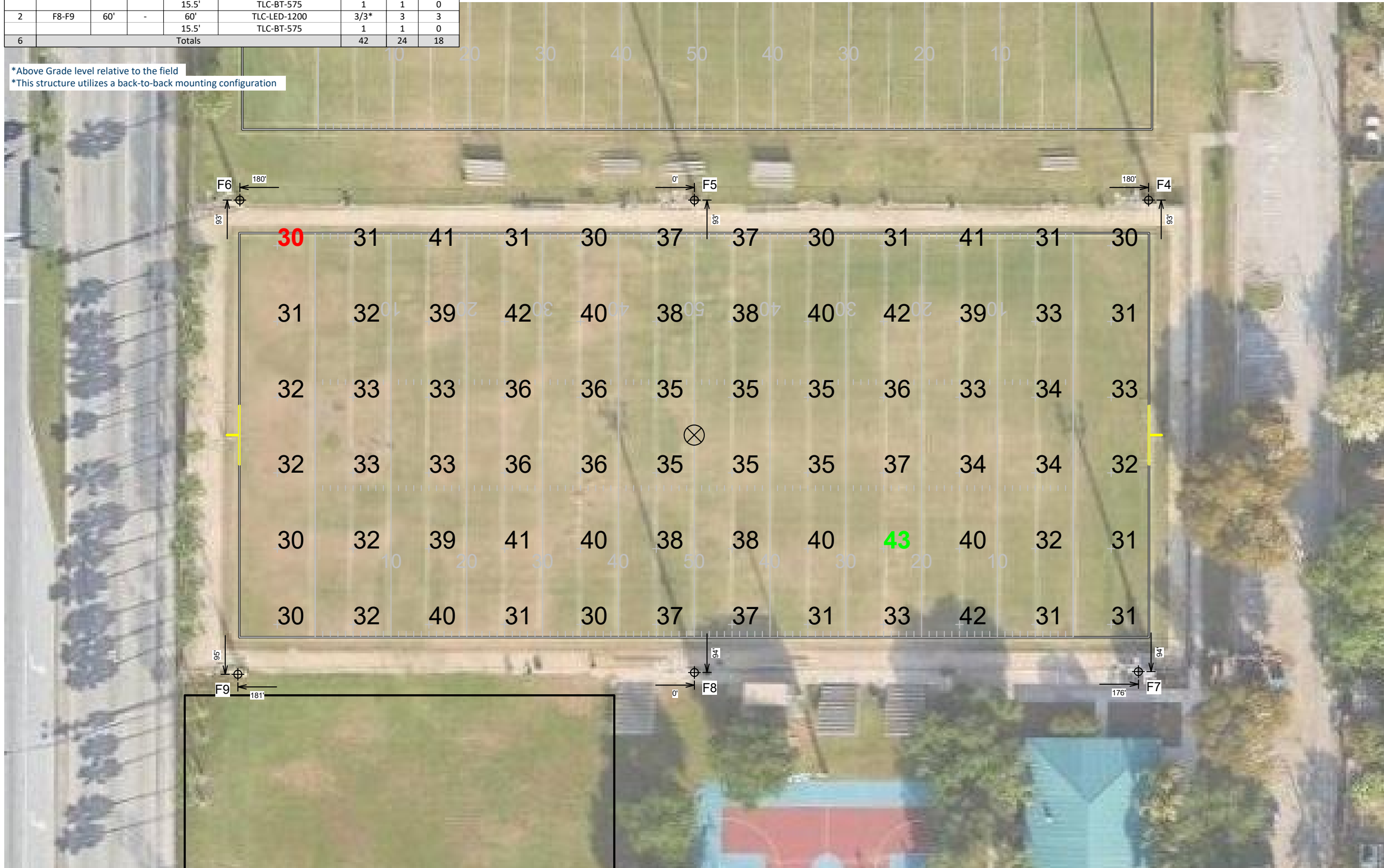
Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination Ave					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Football 1	Horizontal Illuminance	35.78	29	43	1.49	1.25	A	24
Football 2	Horizontal Illuminance	35.00	30	43	1.45	1.18	B	24
Glare (cd)	Max Candela (by Fixture)	2762.82	1	15793	17750.66	3105.23	A,B,C,D	58
MUGA	Horizontal Illuminance	35.30	25	44	1.76	1.40	C	10
Spill (fc)	Horizontal	0.17	0	1	-	-	A,B,C,D	58
Spill (fc)	Max Vertical Illuminance Metric	0.27	0	2	-	-	A,B,C,D	58

From Hometown to Professional



Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
3	F4-F6	60'	-	60'	TLC-LED-1200	3/3*	3	3
				15.5'	TLC-BT-575	2	1	1
1	F7	60'	-	60'	TLC-LED-1200	3	3	0
				15.5'	TLC-BT-575	1	1	0
2	F8-F9	60'	-	60'	TLC-LED-1200	3/3*	3	3
				15.5'	TLC-BT-575	1	1	0
6	Totals					42	24	18

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration



Hollywood Police Athletic League

Hollywood, FL

Grid Summary	
Name:	Football 2
Size:	360' x 160'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Guaranteed Average:	30
Scan Average:	35.00
Maximum:	43
Minimum:	30
Avg/Min:	1.18
Guaranteed Max/Min:	2.5
Max/Min:	1.45
UG (adjacent pts):	1.37
CU:	0.74
No. of Points:	72
LUMINAIRE INFORMATION	
Applied Circuits:	B
No. of Luminaires:	24
Total Load:	24.51 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

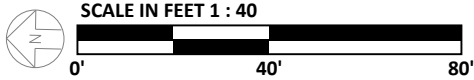
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume \pm 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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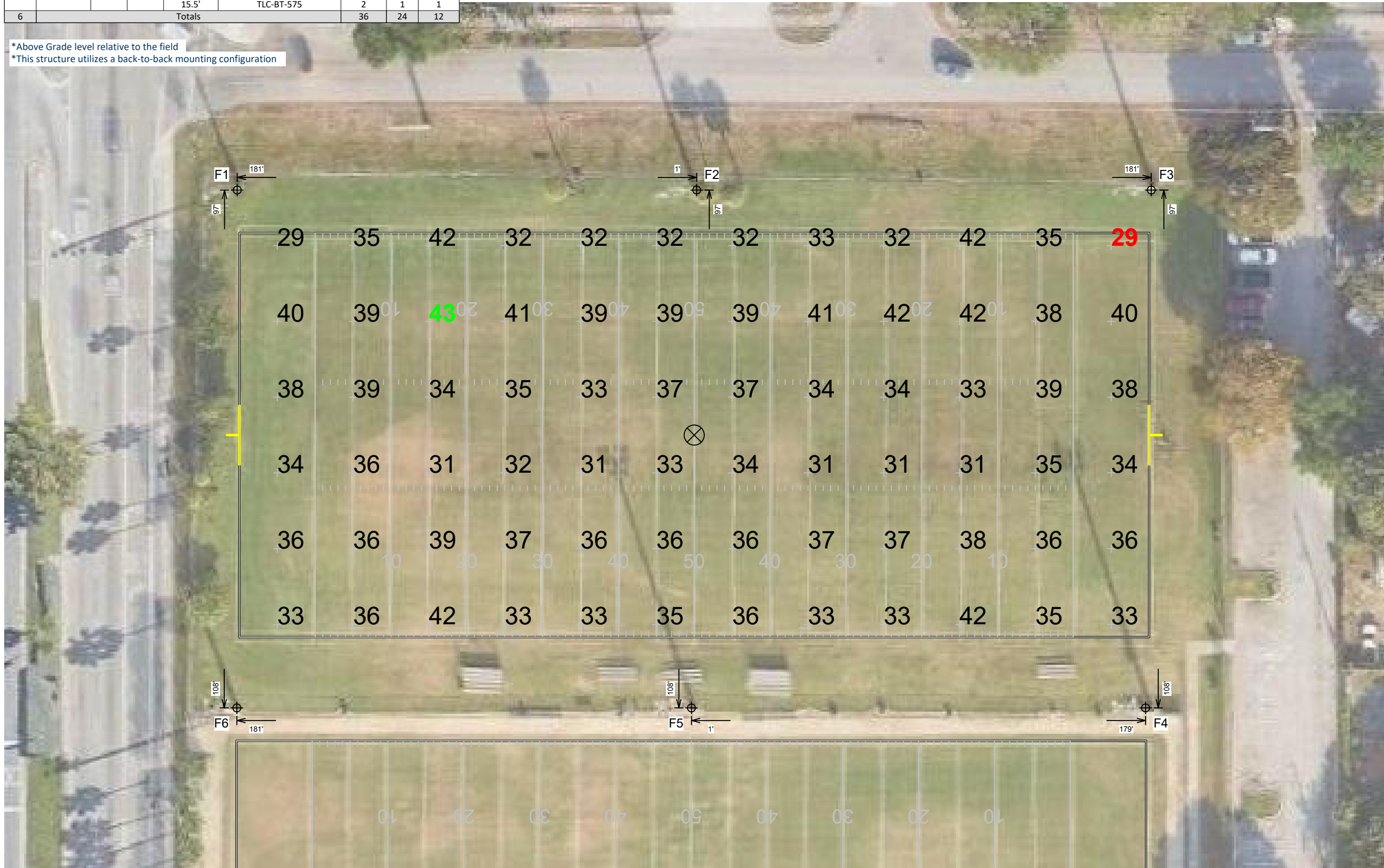
ENGINEERED DESIGN By: Joe Nicholson • File #141458D_R2 • 24-Feb-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
3	F1-F3	60'	-	60'	TLC-LED-1200	3	3	0
				15.5'	TLC-BT-575	1	1	0
3	F4-F6	60'	-	60'	TLC-LED-1200	3/3*	3	3
				15.5'	TLC-BT-575	2	1	1
6	Totals					36	24	12

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration



Hollywood Police Athletic League

Hollywood, FL

Grid Summary	
Name:	Football 1
Size:	360' x 160'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Guaranteed Average:	30
Scan Average:	35.78
Maximum:	43
Minimum:	29
Avg/Min:	1.25
Guaranteed Max/Min:	2.5
Max/Min:	1.49
UG (adjacent pts):	1.41
CU:	0.76
No. of Points:	72
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	24
Total Load:	24.51 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
4	F1-F3 F7	60'	-	60'	TLC-LED-1200	3	3	0
3	F4-F6	60'	-	15.5'	TLC-BT-575	1	1	0
				60'	TLC-LED-1200	3/3*	6	0
				15.5'	TLC-BT-575	2	2	0
2	F8-F9	60'	-	60'	TLC-LED-1200	3/3*	6	0
				15.5'	TLC-BT-575	1	1	0
2	M1-M2	60'	-	60'	TLC-LED-1200	2	2	0
11	Totals					58	58	0

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration



Hollywood Police Athletic League

Hollywood, FL

Grid Summary	
Name: Spill (fc)	
Size: 360' x 160'	
Spacing: 30.0' x 10.0'	
Height: 3.0' above grade	

Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
Scan Average:	Entire Grid 0.17
Maximum:	1
Minimum:	0
Avg/Min:	-
Max/Min:	-
UG (adjacent pts):	0.00
CU:	0.00
No. of Points:	84
LUMINAIRE INFORMATION	
Applied Circuits:	A,B,C,D
No. of Luminaires:	58
Total Load:	60.72 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
4	F1-F3 F7	60'	-	60'	TLC-LED-1200	3	3	0
3	F4-F6	60'	-	15.5'	TLC-BT-575	1	1	0
				60'	TLC-LED-1200	3/3*	6	0
				15.5'	TLC-BT-575	2	2	0
2	F8-F9	60'	-	60'	TLC-LED-1200	3/3*	6	0
				15.5'	TLC-BT-575	1	1	0
2	M1-M2	60'	-	60'	TLC-LED-1200	2	2	0
11	Totals					58	58	0

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration



Hollywood Police Athletic League

Hollywood, FL

Grid Summary	
Name:	Spill (fc)
Size:	360' x 160'
Spacing:	30.0' x 10.0'
Height:	3.0' above grade

Illumination Summary	
MAINTAINED MAX VERTICAL FOOTCANDLES	
Scan Average:	Entire Grid 0.27
Maximum:	2
Minimum:	0
Avg/Min:	-
Max/Min:	-
UG (adjacent pts):	0.00
CU:	0.00
No. of Points:	84
LUMINAIRE INFORMATION	
Applied Circuits:	A,B,C,D
No. of Luminaires:	58
Total Load:	60.72 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
4	F1-F3 F7	60'	-	60'	TLC-LED-1200	3	3	0
3	F4-F6	60'	-	15.5'	TLC-BT-575	1	1	0
				60'	TLC-LED-1200	3/3*	6	0
				15.5'	TLC-BT-575	2	2	0
2	F8-F9	60'	-	60'	TLC-LED-1200	3/3*	6	0
				15.5'	TLC-BT-575	1	1	0
2	M1-M2	60'	-	60'	TLC-LED-1200	2	2	0
11	Totals					58	58	0

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration



Hollywood Police Athletic League

Hollywood, FL

Grid Summary	
Name: Glare (cd)	
Size: 360' x 160'	
Spacing: 30.0' x 10.0'	
Height: 5.0' above grade	

Illumination Summary	
	MAINTAINED MAX CANDELA (PER FIXTURE)
Entire Grid	
Scan Average:	2762.82
Maximum:	15793
Minimum:	1
Avg/Min:	3105.23
Max/Min:	17750.66
UG (adjacent pts):	0.00
CU:	0.00
No. of Points:	84
LUMINAIRE INFORMATION	
Applied Circuits:	A,B,C,D
No. of Luminaires:	58
Total Load:	60.72 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	F8-F9	60'	-	60'	TLC-LED-1200	3/3*	3	3
				15.5'	TLC-BT-575	1	0	1
2	M1-M2	60'	-	60'	TLC-LED-1200	2	2	0
4	Totals					18	10	8

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration



Hollywood Police Athletic League

Hollywood, FL

Grid Summary	
Name:	MUGA
Size:	170' x 180'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

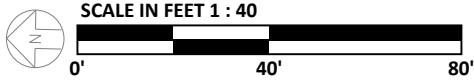
Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Guaranteed Average:	30
Scan Average:	35.30
Maximum:	44
Minimum:	25
Avg/Min:	1.40
Max/Min:	1.76
UG (adjacent pts):	1.32
CU:	0.67
No. of Points:	288
LUMINAIRE INFORMATION	
Applied Circuits:	C
No. of Luminaires:	10
Total Load:	11.70 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume $\pm 3\%$ nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



ENGINEERED DESIGN By: Joe Nicholson • File #141458D_R2 • 24-Feb-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ✕



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ILLUMINATION SUMMARY



Hollywood Police Athletic League

Hollywood, FL

Equipment Layout

INCLUDES:

- Football 1
- Football 2
- MUGA

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Equipment List For Areas Shown

Pole				Luminaires		
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE
4	F1-F3 F7	60'	-	60' 15.5'	TLC-LED-1200 TLC-BT-575	3 1
3	F4-F6	60'	-	60' 15.5'	TLC-LED-1200 TLC-BT-575	3/3* 2
2	F8-F9	60'	-	60' 15.5'	TLC-LED-1200 TLC-BT-575	3/3* 1
2	M1-M2	60'	-	60'	TLC-LED-1200	2
11	Totals					58

*This structure utilizes a back-to-back mounting configuration

Single Luminaire Amperage Draw Chart

Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Single Phase Voltage	6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5



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Boggs West Park Police Athletic League
Hollywood, FL

Lighting System

Pole/Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
P1	70'	70'	1	TLC-LED-1500	1.41 kW	A
		70'	4	TLC-LED-1200	4.68 kW	A
P2	70'	70'	1	TLC-LED-900	0.88 kW	A
		70'	2	TLC-LED-1200	2.34 kW	A
		70'	2	TLC-LED-1500	2.82 kW	A
		70'	1	TLC-LED-1200	1.17 kW	A
P3	70'	70'	1	TLC-LED-900	0.88 kW	A
		70'	3	TLC-LED-1500	4.23 kW	A
		70'	2	TLC-LED-1500	2.82 kW	A
		70'	3	TLC-LED-1200	3.51 kW	A
P5	70'	70'	5	TLC-LED-1500	7.05 kW	A
P6-P8	70'	70'	2	TLC-LED-1500	2.82 kW	A
		70'	3	TLC-LED-1200	3.51 kW	A
P9	70'	70'	1	TLC-LED-1500	1.41 kW	A
		70'	3	TLC-LED-1200	3.51 kW	A
P10	70'	70'	5	TLC-LED-1500	7.05 kW	A
10			49		62.75 kW	

Circuit Summary

Circuit	Description	Load	Fixture Qty
A		62.75 kW	49

Fixture Type Summary

Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-LED-1200	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	22
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	>120,000	>120,000	>120,000	25
TLC-LED-900	LED 5700K - 75 CRI	880W	104,000	>120,000	>120,000	>120,000	2

Single Luminaire Amperage Draw Chart

Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Single Phase Voltage							
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6
TLC-LED-900	5.2	4.9	4.5	3.9	3.1	2.9	2.3

Light Level Summary

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination Ave					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
MUGA-1	Horizontal Illuminance	31.13	19	43	2.24	1.62	A	49

From Hometown to Professional



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Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	P1	70'	-	70'	TLC-LED-1200	4	4	0
				70'	TLC-LED-1500	1	1	0
1	P2	70'	-	70'	TLC-LED-1200	2	2	0
				70'	TLC-LED-1500	2	2	0
				70'	TLC-LED-900	1	1	0
1	P3	70'	-	70'	TLC-LED-1200	1	1	0
				70'	TLC-LED-1500	3	3	0
				70'	TLC-LED-900	1	1	0
4	P4 P6-P8	70'	-	70'	TLC-LED-1200	3	3	0
				70'	TLC-LED-1500	2	2	0
2	P5 P10	70'	-	70'	TLC-LED-1500	5	5	0
1	P9	70'	-	70'	TLC-LED-1200	3	3	0
				70'	TLC-LED-1500	1	1	0
10	Totals					49	49	0

*Above Grade level relative to the field



Boggs West Park Police Athletic League

Hollywood, FL

Grid Summary	
Name	MUGA-1
Size	675' x 335'
Spacing	30.0'
Height	3.0' above grade

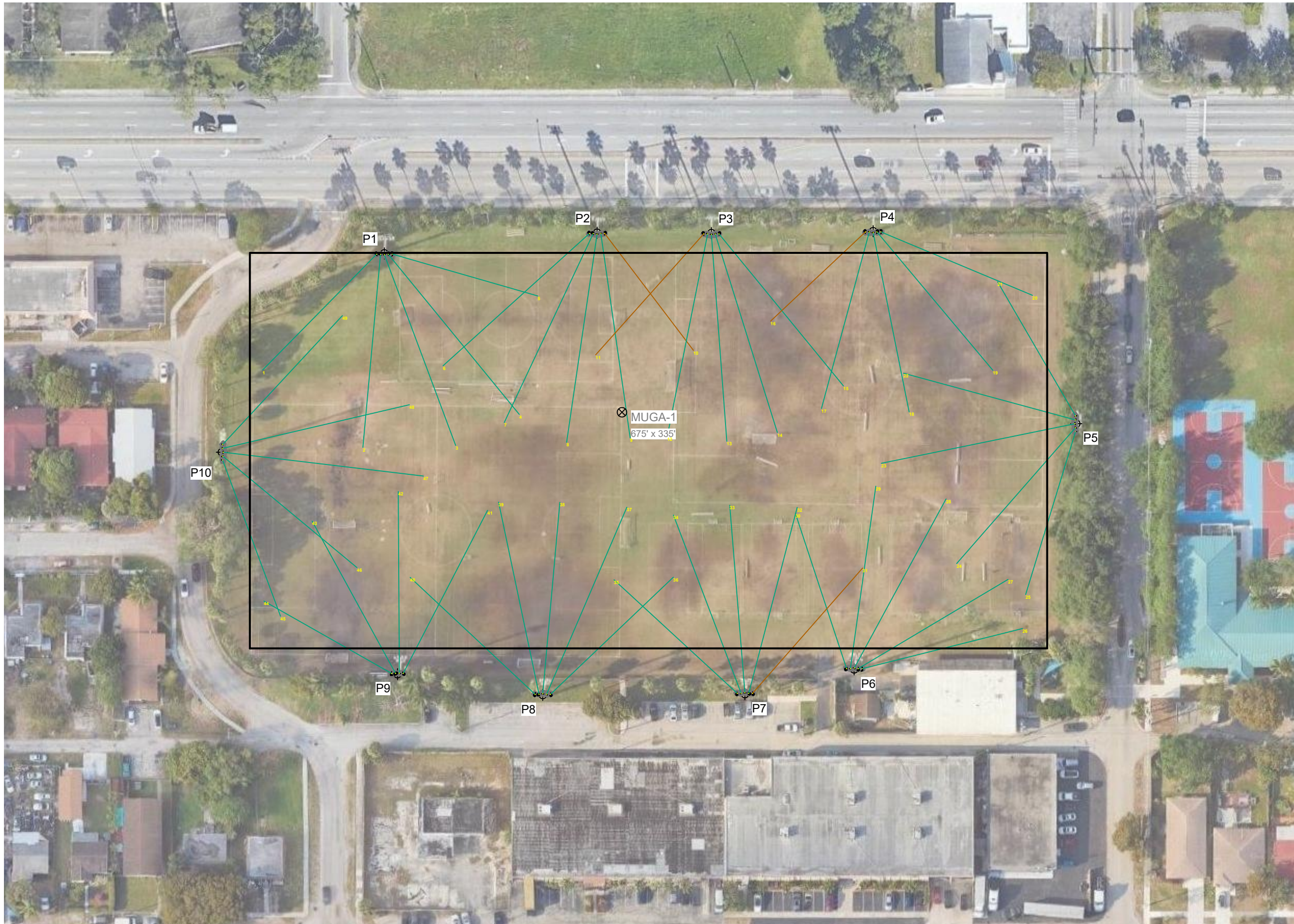
Illumination Summary	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Guaranteed Average	30
Scan Average	31.13
Maximum	43
Minimum	19
Avg/Min	1.62
Guaranteed Max/Min	2.5
Max/Min	2.24
UG (adjacent pts)	1.46
CU	0.84
No. of Points	238
LUMINAIRE INFORMATION	
Applied Circuits	A
No. of Luminaires	49
Total Load	62.75 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



Boggs West Park Police Athletic League

Hollywood, FL

Equipment Layout

INCLUDES:
· MUGA-1

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Equipment List For Areas Shown

Pole				Luminaires		
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE
1	P1	70'	-	70'	TLC-LED-1200	4
				70'	TLC-LED-1500	1
1	P2	70'	-	70'	TLC-LED-1200	2
				70'	TLC-LED-1500	2
				70'	TLC-LED-900	1
1	P3	70'	-	70'	TLC-LED-1200	1
				70'	TLC-LED-1500	3
				70'	TLC-LED-900	1
4	P4 P6-P8	70'	-	70'	TLC-LED-1200	3
				70'	TLC-LED-1500	2
2	P5 P10	70'	-	70'	TLC-LED-1500	5
1	P9	70'	-	70'	TLC-LED-1200	3
				70'	TLC-LED-1500	1
10	Totals					49

Single Luminaire Amperage Draw Chart

Driver Specifications (.90 min power factor)		Line Amperage Per Luminaire (max draw)						
Single Phase Voltage		208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
TLC-LED-1200		6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-1500		8.4	7.9	7.3	6.3	5.0	4.6	3.6
TLC-LED-900		5.2	4.9	4.5	3.9	3.1	2.9	2.3

Driftwood Park
Hollywood, FL

Lighting System

Pole/Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
A1	70'	70'	3	TLC-LED-1200	3.51 kW	A
		70'	3	TLC-LED-1200	3.51 kW	B
		16'	1	TLC-BT-575	0.57 kW	B
A2	70'	16'	1	TLC-BT-575	0.57 kW	A
		70'	3	TLC-LED-1200	3.51 kW	D
		70'	3	TLC-LED-1200	3.51 kW	A
		16'	1	TLC-BT-575	0.57 kW	D
A3	70'	16'	1	TLC-BT-575	0.57 kW	A
		70'	3	TLC-LED-1200	3.51 kW	D
		16'	3	TLC-LED-1200	3.51 kW	C
		16'	1	TLC-BT-575	0.57 kW	C
A4	70'	70'	3	TLC-LED-1200	3.51 kW	C
		70'	3	TLC-LED-1200	3.51 kW	B
		16'	1	TLC-BT-575	0.57 kW	B
		16'	1	TLC-BT-575	0.57 kW	C
		90'	2	TLC-LED-1200	2.34 kW	A
B1	90'	90'	2	TLC-LED-1500	2.82 kW	A
		16'	1	TLC-BT-575	0.57 kW	A
		80'	4	TLC-LED-1500	5.64 kW	A
B2	80'	80'	2	TLC-LED-1500	2.82 kW	D
		80'	2	TLC-LED-1200	2.34 kW	D
		16'	1	TLC-BT-575	0.57 kW	D
B3	90'	16'	1	TLC-BT-575	0.57 kW	A
		90'	2	TLC-LED-1200	2.34 kW	D
		90'	2	TLC-LED-1500	2.82 kW	D
		16'	1	TLC-BT-575	0.57 kW	D
		90'	2	TLC-LED-1200	2.34 kW	C
B4	90'	90'	1	TLC-LED-1500	1.41 kW	C
		16'	1	TLC-BT-575	0.57 kW	C
		70'	4	TLC-LED-1200	4.68 kW	B
		70'	4	TLC-LED-1200	4.68 kW	C
B5	70'	16'	1	TLC-BT-575	0.57 kW	B
		16'	1	TLC-BT-575	0.57 kW	C
		90'	2	TLC-LED-1200	2.34 kW	B
		90'	2	TLC-LED-1500	2.82 kW	B
C1-C2	70'	16'	1	TLC-BT-575	0.57 kW	B
		70'	4	TLC-LED-1200	4.68 kW	A
		16'	1	TLC-BT-575	0.57 kW	A
		70'	2	TLC-LED-900	1.76 kW	D
C3-C4	70'	70'	2	TLC-LED-1200	2.34 kW	D
		16'	1	TLC-BT-575	0.57 kW	D
		70'	3	TLC-LED-1200	3.51 kW	C
C5-C6	70'	16'	1	TLC-BT-575	0.57 kW	C
		70'	4	TLC-LED-1200	4.68 kW	B
C7-C8	70'	16'	1	TLC-BT-575	0.57 kW	B
		16'	109		115.21 kW	

Circuit Summary			
Circuit	Description	Load	Fixture Qty
A	Softball 1	30.63 kW	28
B	Softball 2	29.67 kW	28
C	Softball 3	25.92 kW	25
D	Softball 4	28.99 kW	28

Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	24
TLC-LED-1200	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	68
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	>120,000	>120,000	>120,000	13
TLC-LED-900	LED 5700K - 75 CRI	880W	104,000	>120,000	>120,000	>120,000	4

Single Luminaire Amperage Draw Chart									
Driver Specifications (.90 min power factor)		Line Amperage Per Luminaire (max draw)							
Single Phase Voltage		208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)	
TLC-BT-575		3.3	3.2	2.9	2.5	2.0	1.8	1.5	
TLC-LED-1200		6.9	6.5	6.0	5.2	4.2	3.8	3.0	
TLC-LED-1500		8.4	7.9	7.3	6.3	5.0	4.6	3.6	
TLC-LED-900		5.2	4.9	4.5	3.9	3.1	2.9	2.3	

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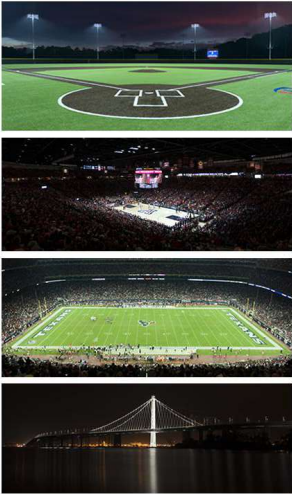
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Driftwood Park
Hollywood, FL

Light Level Summary

Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination Ave					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Glare	Max Candela (by Fixture)	3631.75	0	11235	-	-	A,B,C,D	109
MP 1	Horizontal	33.77	20	41	2.00	1.66	A,B	56
MP 2	Horizontal	31.48	20	40	1.97	1.54	C,D	53
Softball 1 (Infield)	Horizontal Illuminance	51.53	40	61	1.53	1.30	A	28
Softball 1 (Outfield)	Horizontal Illuminance	34.32	28	46	1.67	1.24	A	28
Softball 2 (Infield)	Horizontal Illuminance	53.24	40	61	1.55	1.35	B	28
Softball 2 (Outfield)	Horizontal Illuminance	35.16	28	49	1.73	1.23	B	28
Softball 3 (Infield)	Horizontal Illuminance	51.21	40	59	1.50	1.29	C	25
Softball 3 (Outfield)	Horizontal Illuminance	33.55	25	50	1.98	1.33	C	25
Softball 4 (Infield)	Horizontal Illuminance	52.93	41	62	1.50	1.29	D	28
Softball 4 (Outfield)	Horizontal Illuminance	33.55	24	49	2.02	1.39	D	28
Spill	Horizontal	0.14	0	1	-	-	A,B,C,D	109
Spill	Max Vertical Illuminance Metric	0.23	0	1	-	-	A,B,C,D	109

From Hometown to Professional



Equipment List For Areas Shown									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS	
2	A1-A2	70'	-	70'	TLC-LED-1200	3/3*	3	3	
				15.5'	TLC-BT-575		2	1	1
1	B1	90'	-	90'	TLC-LED-1200	2	2	0	
				90'	TLC-LED-1500	2	2	0	
				15.5'	TLC-BT-575	1	1	0	
1	B2	80'	-	80'	TLC-LED-1200	2*	0	2	
				80'	TLC-LED-1500	4/2*	4	2	
				15.5'	TLC-BT-575	2	1	1	
2	C1-C2	70'	-	70'	TLC-LED-1200	4	4	0	
				15.5'	TLC-BT-575	1	1	0	
6				Totals			41	28	13

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration



ENGINEERED DESIGN By: Joe Nicholson • File #141147A_R1 • 13-Nov-24

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Driftwood Park

Hollywood, FL

Grid Summary

Name **Softball 1**
Size Irregular 248'/351'/262'
Spacing 25.0'
Height 3.0' above grade

Illumination Summary

	MAINTAINED HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Guaranteed Average	50	30
Scan Average	51.53	34.32
Maximum	61	46
Minimum	40	28
Avg/Min	1.30	1.24
Guaranteed Max/Min	2	2.5
Max/Min	1.53	1.67
UG (adjacent pts)	1.32	1.37
CU	0.71	
No. of Points	25	92
LUMINAIRE INFORMATION		
Applied Circuits	A	
No. of Luminaires	28	
Total Load	30.63 kW	

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

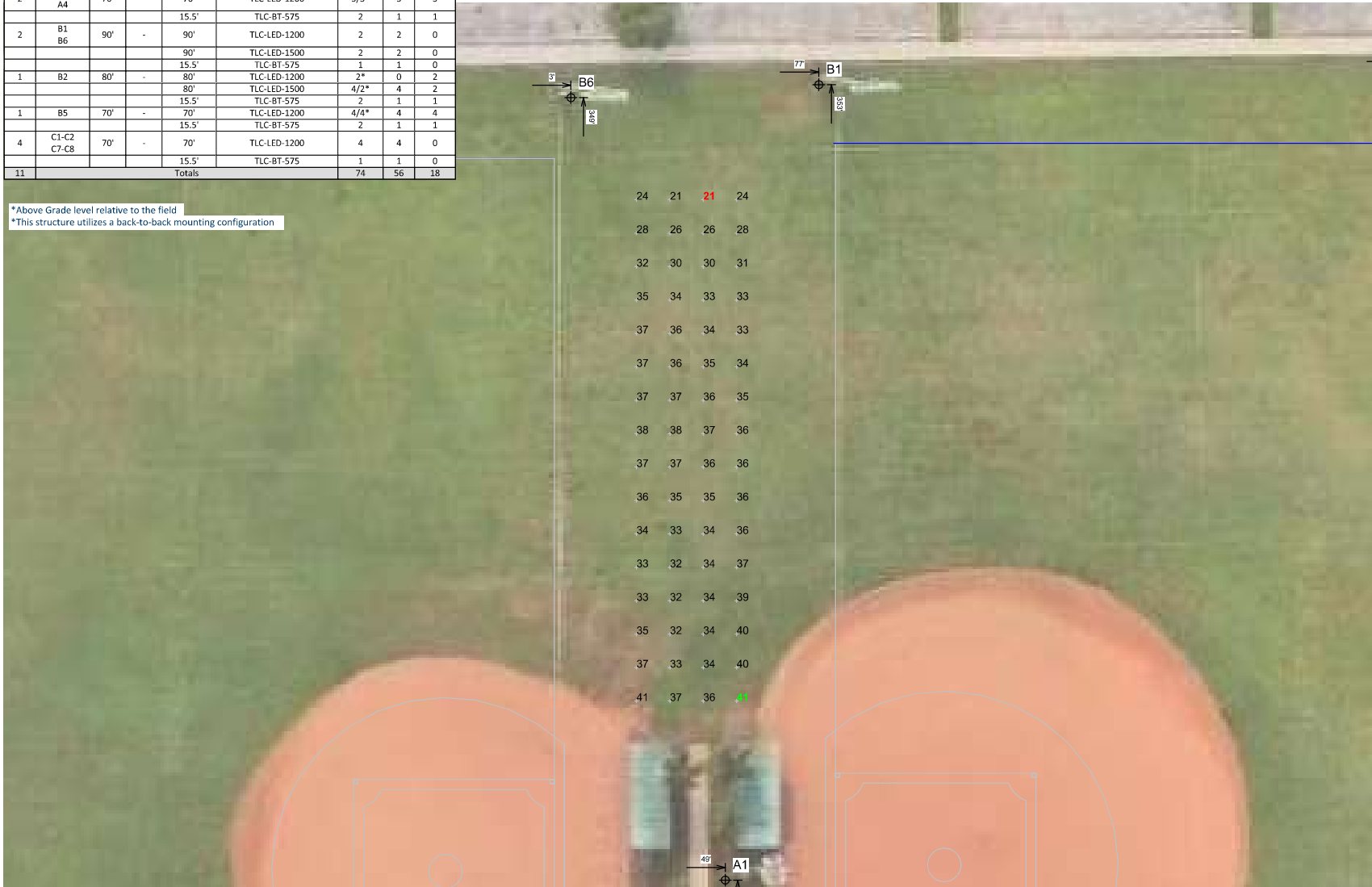


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ILLUMINATION SUMMARY

Equipment List For Areas Shown									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS	
1	A1	70'	-	70'	TLC-LED-1200	3/3*	6	0	
				15.5'	TLC-BT-575	2	2	0	
2	A2 A4	70'	-	70'	TLC-LED-1200	3/3*	3	3	
				15.5'	TLC-BT-575	2	1	1	
2	B1 B6	90'	-	90'	TLC-LED-1200	2	2	0	
				90'	TLC-LED-1500	2	2	0	
				15.5'	TLC-BT-575	1	1	0	
1	B2	80'	-	80'	TLC-LED-1200	2*	0	2	
				80'	TLC-LED-1500	4/2*	4	2	
				15.5'	TLC-BT-575	2	1	1	
1	B5	70'	-	70'	TLC-LED-1200	4/4*	4	4	
				15.5'	TLC-BT-575	2	1	1	
4	C1-C2 C7-C8	70'	-	70'	TLC-LED-1200	4	4	0	
				15.5'	TLC-BT-575	1	1	0	
11	Totals						74	56	18

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration



ENGINEERED DESIGN By: Joe Nicholson • File #141147A_R1 • 13-Nov-24

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Driftwood Park

Hollywood, FL

Grid Summary	
Name	MP 1
Size	245'/245'/245' - basepath 60'
Spacing	10.0'
Height	3.0' above grade

Illumination Summary	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average	33.92
Maximum	41
Minimum	21
Avg/Min	1.63
Max/Min	1.97
UG (adjacent pts)	1.23
CU	0.03
No. of Points	64
LUMINAIRE INFORMATION	
Applied Circuits	A,B
No. of Luminaires	56
Total Load	60.30 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



We Make It Happen.

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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A1 A4	70'	-	70'	TLC-LED-1200	3/3*	3	3
1	B5	70'	-	15.5'	TLC-BT-575	2	1	1
				70'	TLC-LED-1200	4/4*	4	4
				15.5'	TLC-BT-575	2	1	1
1	B6	90'	-	90'	TLC-LED-1200	2	2	0
				90'	TLC-LED-1500	2	2	0
				15.5'	TLC-BT-575	1	1	0
2	C7-C8	70'	-	70'	TLC-LED-1200	4	4	0
				15.5'	TLC-BT-575	1	1	0
				15.5'	TLC-BT-575	1	1	0
6	Totals					41	28	13

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 50
0' 50' 100'
ENGINEERED DESIGN By: Joe Nicholson • File #141147A_R1 • 13-Nov-24

Pole location(s) ⊕ dimensions are relative
to 0,0 reference point(s) ⊗

Driftwood Park

Hollywood, FL

Grid Summary	
Name	Softball 2
Size	Irregular 245'/347'/246'
Spacing	20.0'
Height	3.0' above grade

Illumination Summary		
MAINTAINED HORIZONTAL FOOTCANDLES		
	Infield	Outfield
Guaranteed Average	50	30
Scan Average	53.24	35.16
Maximum	61	49
Minimum	40	28
Avg/Min	1.35	1.23
Guaranteed Max/Min	2	2.5
Max/Min	1.55	1.73
UG (adjacent pts)	1.24	1.44
CU	0.67	
No. of Points	25	142
LUMINAIRE INFORMATION		
Applied Circuits	8	
No. of Luminaires	28	
Total Load	29.67 kW	

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A3-A4	70'	-	70'	TLC-LED-1200	3/3*	3	3
				15.5'	TLC-BT-575	2	1	1
1	B4	90'	-	90'	TLC-LED-1200	2	2	0
				90'	TLC-LED-1500	1	1	0
				15.5'	TLC-BT-575	1	1	0
1	B5	70'	-	70'	TLC-LED-1200	4/4*	4	4
				15.5'	TLC-BT-575	2	1	1
2	C5-C6	70'	-	70'	TLC-LED-1200	3	3	0
				15.5'	TLC-BT-575	1	1	0
6				Totals		38	25	13

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 50
0' 50' 100'
ENGINEERED DESIGN By: Joe Nicholson • File #141147A_R1 • 13-Nov-24

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Driftwood Park Hollywood, FL

Grid Summary	
Name	Softball 3
Size	245'/245'/245' - basepath 60'
Spacing	20.0'
Height	3.0' above grade

Illumination Summary		
	MAINTAINED HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Guaranteed Average	50	30
Scan Average	51.21	33.55
Maximum	59	50
Minimum	40	25
Avg/Min	1.29	1.33
Guaranteed Max/Min	2	2.5
Max/Min	1.50	1.98
UG (adjacent pts)	1.25	1.34
CU	0.63	
No. of Points	25	115
LUMINAIRE INFORMATION		
Applied Circuits	C	
No. of Luminaires	25	
Total Load	25.92 kW	

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

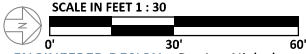


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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaire(s)				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A2 A4	70'	-	70'	TLC-LED-1200	3/3*	3	3
				15.5'	TLC-BT-575	2	1	1
1	A3	70'	-	70'	TLC-LED-1200	3/3*	6	0
				15.5'	TLC-BT-575	2	2	0
1	B2	80'	-	80'	TLC-LED-1200	2*	2	0
				80'	TLC-LED-1500	4/2*	2	4
				15.5'	TLC-BT-575	2	1	1
1	B3	90'	-	90'	TLC-LED-1200	2	2	0
				90'	TLC-LED-1500	2	2	0
				15.5'	TLC-BT-575	1	1	0
1	B4	90'	-	90'	TLC-LED-1200	2	2	0
				90'	TLC-LED-1500	1	1	0
				15.5'	TLC-BT-575	1	1	0
1	B5	70'	-	70'	TLC-LED-1200	4/4*	4	4
				15.5'	TLC-BT-575	2	1	1
2	C3-C4	70'	-	70'	TLC-LED-1200	2	2	0
				70'	TLC-LED-900	2	2	0
				15.5'	TLC-BT-575	1	1	0
2	C5-C6	70'	-	70'	TLC-LED-1200	3	3	0
				15.5'	TLC-BT-575	1	1	0
11				Totals		71	53	18

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration



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Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Driftwood Park

Hollywood, FL

Grid Summary	
Name	MP 2
Spacing	10.0'
Height	3.0' above grade

Illumination Summary	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average	31.48
Maximum	40
Minimum	20
Avg/Min	1.54
Max/Min	1.97
UG (adjacent pts)	1.18
CU	0.03
No. of Points	70
LUMINAIRE INFORMATION	
Applied Circuits	C,D
No. of Luminaires	53
Total Load	54.91 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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ILLUMINATION SUMMARY

Equipment List For Areas Shown									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS	
2	A2-A3	70'	-	70'	TLC-LED-1200	3/3*	3	3	
				15.5'	TLC-BT-575	2	1	1	
1	B2	80'	-	80'	TLC-LED-1200	2*	2	0	
				80'	TLC-LED-1500	4/2*	2	4	
				15.5'	TLC-BT-575	2	1	1	
1	B3	90'	-	90'	TLC-LED-1200	2	2	0	
				90'	TLC-LED-1500	2	2	0	
				15.5'	TLC-BT-575	1	1	0	
2	C3-C4	70'	-	70'	TLC-LED-1200	2	2	0	
				70'	TLC-LED-900	2	2	0	
				15.5'	TLC-BT-575	1	1	0	
6				Totals			41	28	13

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration



ENGINEERED DESIGN By: Joe Nicholson • File #141147A_R1 • 13-Nov-24

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Driftwood Park

Hollywood, FL

Grid Summary	
Name	Softball 4
Size	Irregular 261'318'/225'
Spacing	20.0'
Height	3.0' above grade

Illumination Summary		
MAINTAINED HORIZONTAL FOOTCANDLES		
	Infield	Outfield
Guaranteed Average	50	30
Scan Average	52.93	33.55
Maximum	62	49
Minimum	41	24
Avg/Min	1.29	1.39
Guaranteed Max/Min	2	2.5
Max/Min	1.50	2.02
UG (adjacent pts)	1.23	1.30
CU	0.67	
No. of Points	25	141
LUMINAIRE INFORMATION		
Applied Circuits	D	
No. of Luminaires	28	
Total Load	28.99 kW	

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

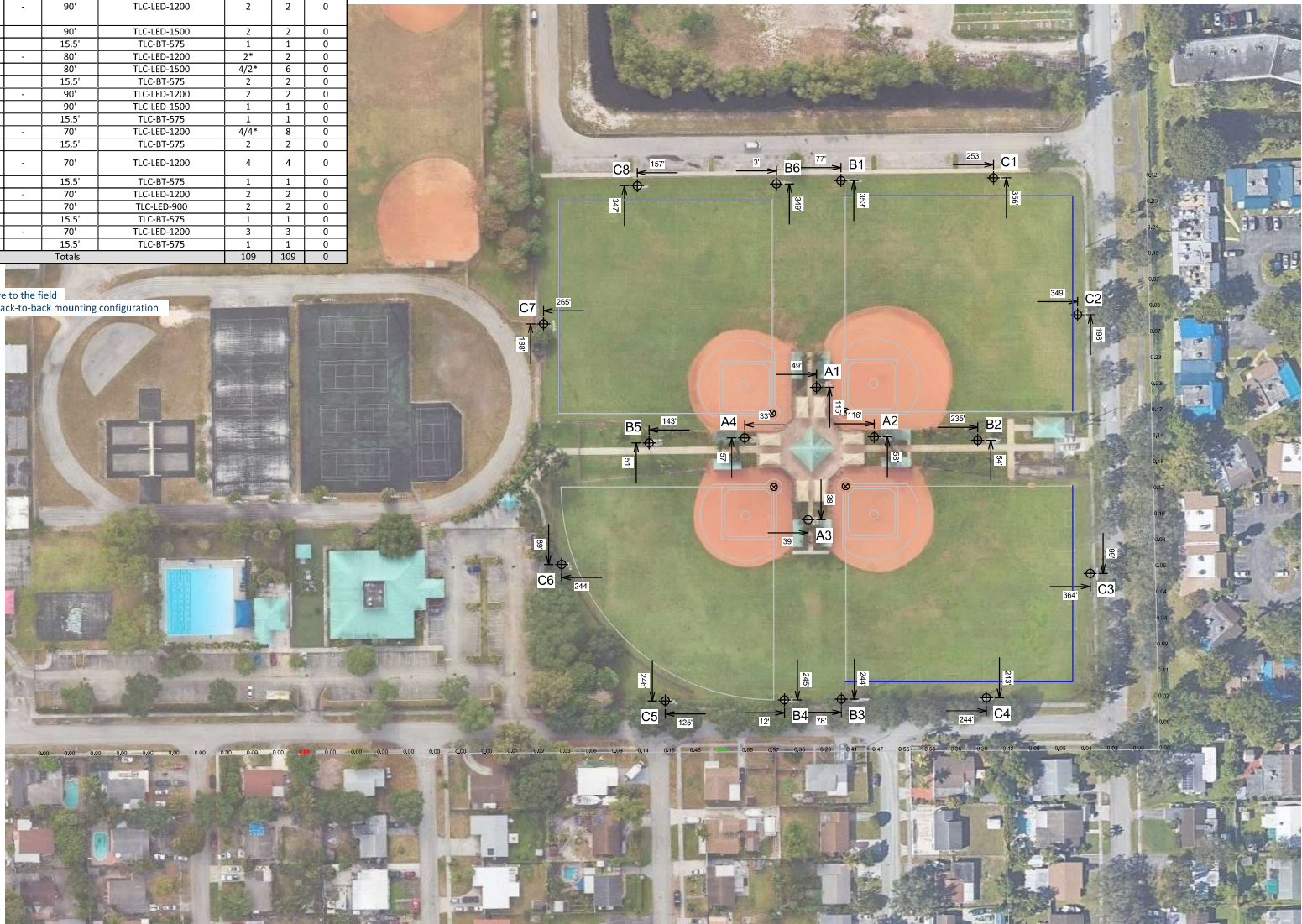


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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaire				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
4	A1-A4	70'	-	70'	TLC-LED-1200	3/3*	6	0
				15.5'	TLC-BT-575	2	2	0
3	B1	90'	-	90'	TLC-LED-1200	2	2	0
	B3							
	B6							
				90'	TLC-LED-1500	2	2	0
				15.5'	TLC-BT-575	1	1	0
1	B2	80'	-	80'	TLC-LED-1200	2*	2	0
				80'	TLC-LED-1500	4/2*	6	0
				15.5'	TLC-BT-575	2	2	0
1	B4	90'	-	90'	TLC-LED-1200	2	2	0
				90'	TLC-LED-1500	1	1	0
				15.5'	TLC-BT-575	1	1	0
1	B5	70'	-	70'	TLC-LED-1200	4/4*	8	0
				15.5'	TLC-BT-575	2	2	0
4	C1-C2	70'	-	70'	TLC-LED-1200	4	4	0
	C7-C8							
				15.5'	TLC-BT-575	1	1	0
2	C3-C4	70'	-	70'	TLC-LED-1200	2	2	0
				70'	TLC-LED-900	2	2	0
				15.5'	TLC-BT-575	1	1	0
2	C5-C6	70'	-	70'	TLC-LED-1200	3	3	0
				15.5'	TLC-BT-575	1	1	0
18				15.5'	TLC-BT-575	1	1	0
				Totals		109	109	0

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration



Driftwood Park

Hollywood, FL

Grid Summary	
Name	Spill
Size	245'/245' - basepath 60'
Spacing	30.0'
Height	3.0' above grade

Illumination Summary	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average	0.14
Maximum	1
Minimum	0
Avg/Min	-
Max/Min	-
UG (adjacent pts)	0.00
CU	0.00
No. of Points	66
LUMINAIRE INFORMATION	
Applied Circuits	A,B,C,D
No. of Luminaires	109
Total Load	115.21 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

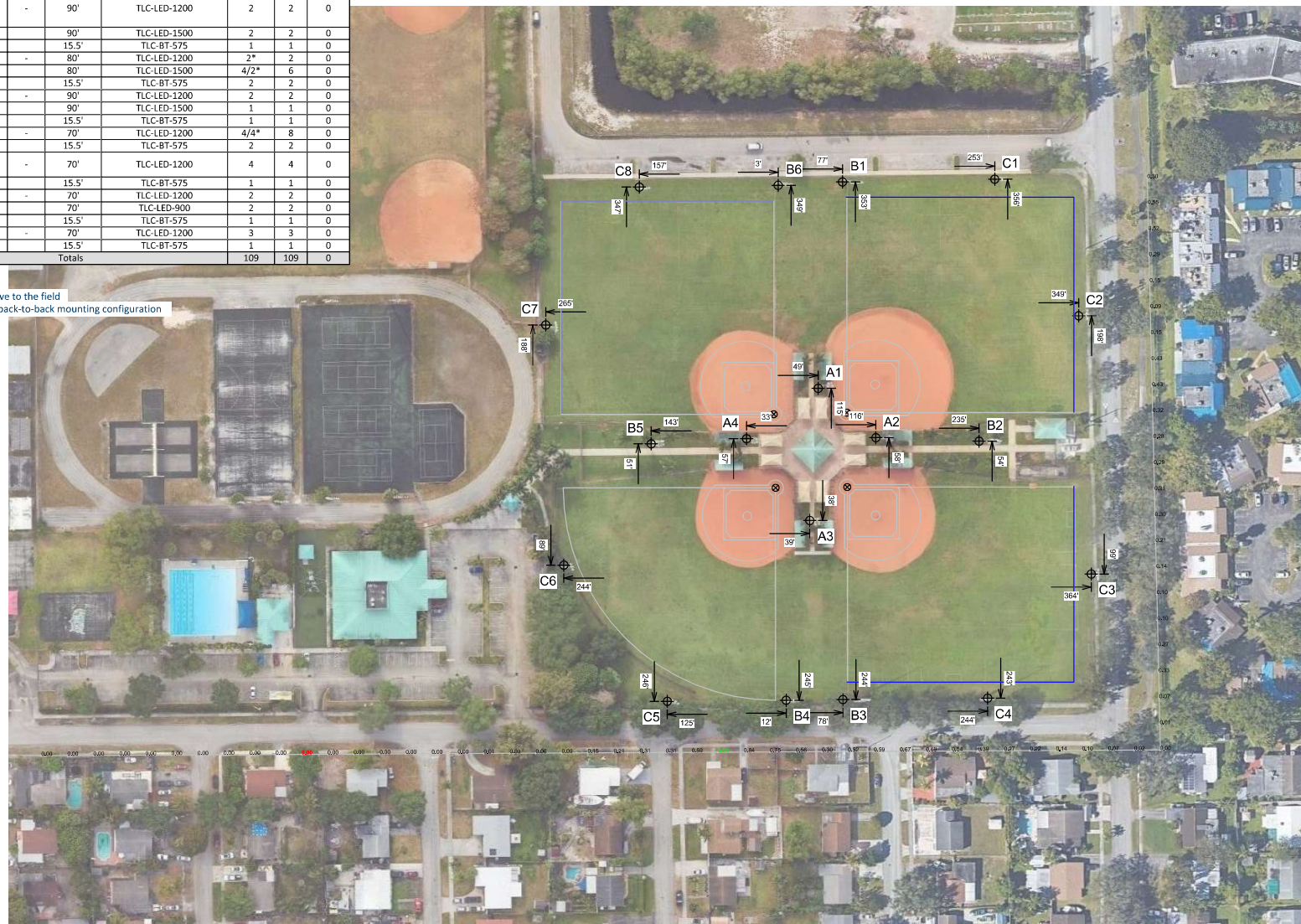
Installation Requirements: Results assume $\pm 3\%$ nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
4	A1-A4	70'	-	70'	TLC-LED-1200	3/3*	6	0
				15.5'	TLC-BT-575	2	2	0
3	B1 B3 B6	90'	-	90'	TLC-LED-1200	2	2	0
				90'	TLC-LED-1500	2	2	0
				15.5'	TLC-BT-575	1	1	0
1	B2	80'	-	80'	TLC-LED-1200	2*	2	0
				80'	TLC-LED-1500	4/2*	6	0
				15.5'	TLC-BT-575	2	2	0
1	B4	90'	-	90'	TLC-LED-1200	2	2	0
				90'	TLC-LED-1500	1	1	0
				15.5'	TLC-BT-575	1	1	0
1	B5	70'	-	70'	TLC-LED-1200	4/4*	8	0
				15.5'	TLC-BT-575	2	2	0
4	C1-C2 C7-C8	70'	-	70'	TLC-LED-1200	4	4	0
				15.5'	TLC-BT-575	1	1	0
2	C3-C4	70'	-	70'	TLC-LED-1200	2	2	0
				15.5'	TLC-LED-900	2	2	0
				15.5'	TLC-BT-575	1	1	0
2	C5-C6	70'	-	70'	TLC-LED-1200	3	3	0
				15.5'	TLC-BT-575	1	1	0
18				Totals		109	109	0



Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) \otimes

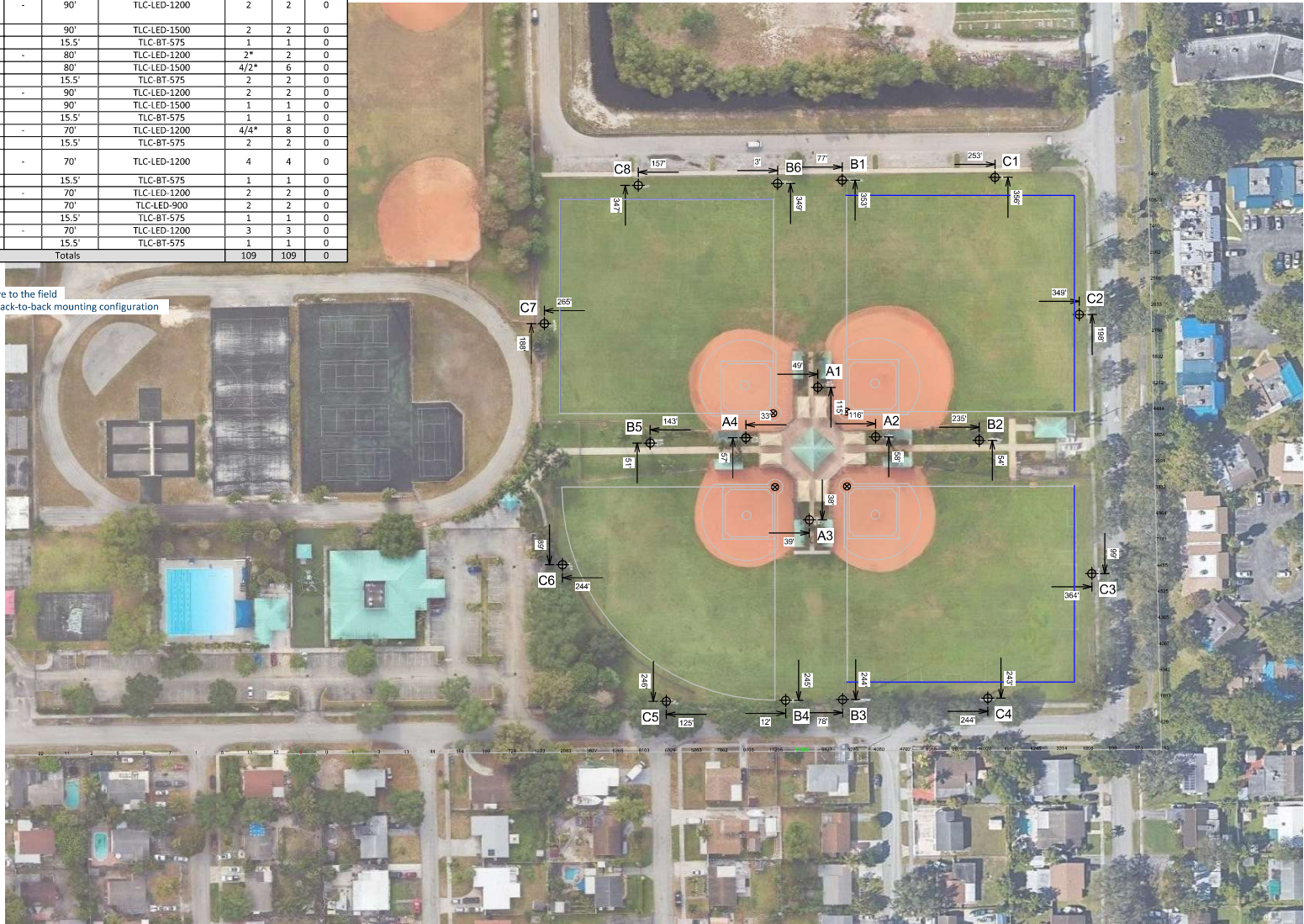
Driftwood Park



ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaire				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
4	A1-A4	70'	-	70'	TLC-LED-1200	3/3*	6	0
				15.5'	TLC-BT-575	2	2	0
3	B1	90'	-	90'	TLC-LED-1200	2	2	0
	B3							
	B6							
				90'	TLC-LED-1500	2	2	0
				15.5'	TLC-BT-575	1	1	0
1	B2	80'	-	80'	TLC-LED-1200	2*	2	0
				80'	TLC-LED-1500	4/2*	6	0
				15.5'	TLC-BT-575	2	2	0
1	B4	90'	-	90'	TLC-LED-1200	2	2	0
				90'	TLC-LED-1500	1	1	0
				15.5'	TLC-BT-575	1	1	0
1	B5	70'	-	70'	TLC-LED-1200	4/4*	8	0
				15.5'	TLC-BT-575	2	2	0
4	C1-C2	70'	-	70'	TLC-LED-1200	4	4	0
	C7-C8							
				15.5'	TLC-BT-575	1	1	0
2	C3-C4	70'	-	70'	TLC-LED-1200	2	2	0
				70'	TLC-LED-900	2	2	0
				15.5'	TLC-BT-575	1	1	0
2	C5-C6	70'	-	70'	TLC-LED-1200	3	3	0
				15.5'	TLC-BT-575	1	1	0
18				15.5'	TLC-BT-575	1	1	0
				Totals		109	109	0

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration



Driftwood Park

Hollywood, FL

Grid Summary	
Name	Glare
Size	245'/245' - basepath 60'
Spacing	30.0'
Height	5.0' above grade

Illumination Summary	
MAINTAINED MAX CANDELA (PER FIXTURE)	
Entire Grid	
Scan Average	3631.75
Maximum	11235
Minimum	0
Avg/Min	-
Max/Min	-
UG (adjacent pts)	0.00
CU	0.00
No. of Points	66
LUMINAIRE INFORMATION	
Applied Circuits	A,B,C,D
No. of Luminaires	109
Total Load	115.21 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume $\pm 3\%$ nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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ILLUMINATION SUMMARY



Driftwood Park

Hollywood, FL

Equipment Layout

INCLUDES:

• Softball 1

• Softball 2

• Softball 3

• Softball 4

Electrical System Requirements:

Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements:

Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Equipment List For Areas Shown						
QTY	LOCATION	SIZE	POLE	Luminaires		
				GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE
4	A1-A4	70'	-	70'	15.5'	TLC-LED-1200
						TLC-BT-575
3	B1	90'	-	90'	15.5'	TLC-LED-1200
	B3					TLC-LED-1500
	B6					TLC-BT-575
1	B2	80'	-	80'	80'	TLC-LED-1200
						TLC-LED-1500
						TLC-BT-575
1	B4	90'	-	90'	15.5'	TLC-LED-1200
						TLC-LED-1500
						TLC-BT-575
1	B5	70'	-	70'	15.5'	TLC-LED-1200
						TLC-BT-575
4	C1-C2	70'	-	70'	15.5'	TLC-LED-1200
	C7-C8					TLC-BT-575
2	C3-C4	70'	-	70'	15.5'	TLC-LED-900
						TLC-BT-575
2	C5-C6	70'	-	70'	15.5'	TLC-LED-1200
						TLC-BT-575
18	Totals					109

*This structure utilizes a back-to-back mounting configuration

Single Luminaire Amperage Draw Chart						
Driver Specifications (.90 min power factor)		Line Amperage Per Luminaire (max draw)				
Single Phase Voltage		208 (60)	220 (60)	240 (60)	277 (60)	347 (60)
TLC-BT-575		3.3	3.2	2.9	2.5	2.0
TLC-LED-1200		6.9	6.5	6.0	5.2	4.2
TLC-LED-1500		8.4	7.9	7.3	6.3	5.0
TLC-LED-900		5.2	4.9	4.5	3.9	3.1



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EQUIPMENT LAYOUT

Hollywood West
Hollywood, FL

Lighting System

Pole/Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
P1	60'	60'	2	TLC-LED-1200	2.34 kW	B
		16'	1	TLC-BT-575	0.57 kW	B
P2	70'	70'	5	TLC-LED-1200	5.85 kW	B
		16'	1	TLC-BT-575	0.57 kW	B
P3	70'	70'	3	TLC-LED-900	2.64 kW	B
P4	70'	70'	5	TLC-LED-1200	5.85 kW	B
		16'	2	TLC-BT-575	1.15 kW	B
P5-P6	70'	70'	4	TLC-LED-1200	4.68 kW	B
		16'	2	TLC-BT-575	1.15 kW	B
P7	70'	70'	5	TLC-LED-1200	5.85 kW	A
		70'	5	TLC-LED-1200	5.85 kW	B
P8	70'	19'	1	TLC-BT-575	0.57 kW	B
		70'	2	TLC-LED-1200	2.34 kW	B
		70'	8	TLC-LED-1200	9.36 kW	A
		16'	1	TLC-BT-575	0.57 kW	B
		16'	2	TLC-BT-575	1.15 kW	A
		70'	5	TLC-LED-1200	5.85 kW	A
P9	70'	70'	5	TLC-LED-1200	5.85 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
P10	70'	70'	6	TLC-LED-1200	7.02 kW	A
P12		16'	2	TLC-BT-575	1.15 kW	A
P11	70'	70'	5	TLC-LED-1200	5.85 kW	A
12			83		85.53 kW	

Circuit Summary			
Circuit	Description	Load	Fixture Qty
A	Soccer	45.55 kW	43
B	Softball	39.98 kW	40

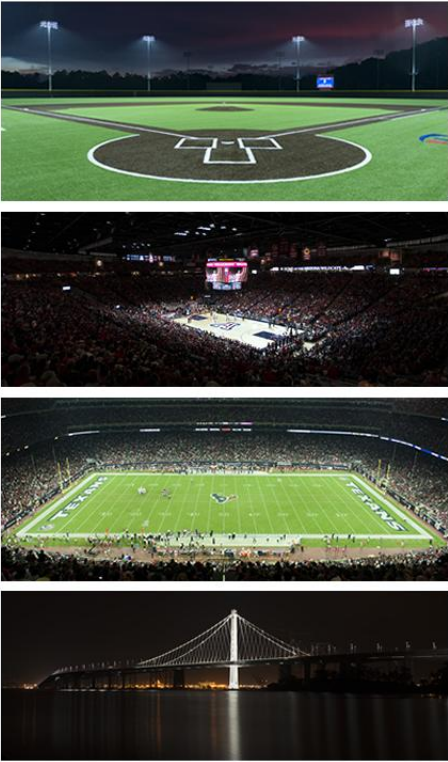
Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	18
TLC-LED-1200	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	62
TLC-LED-900	LED 5700K - 75 CRI	880W	104,000	>120,000	>120,000	>120,000	3

Single Luminaire Amperage Draw Chart							
Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Single Phase Voltage							
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-900	5.2	4.9	4.5	3.9	3.1	2.9	2.3

Light Level Summary

Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Soccer	Horizontal Illuminance	52.7	40	67	1.69	1.32	A	43
Softball (Infield)	Horizontal Illuminance	54.9	41	66	1.60	1.34	B	40
Softball (Outfield)	Horizontal Illuminance	32.6	23	47	2.00	1.42	B	40
Spill/Glare - 150'	Horizontal	0.02	0	0.06	33.79		A,B	83
Spill/Glare - 150'	Max Candela (by Fixture)	1485	435	3774	8.67	3.41	A,B	83
Spill/Glare - 150'	Max Vertical Illuminance Metric	0.05	0.01	0.14	18.91	5.40	A,B	83
Spill/Glare - Residential	Horizontal	0.09	0	0.45	3253.20		A,B	83
Spill/Glare - Residential	Max Candela (by Fixture)	3562	46.8	10714	228.71	76.05	A,B	83
Spill/Glare - Residential	Max Vertical Illuminance Metric	0.20	0	0.61	943.19		A,B	83

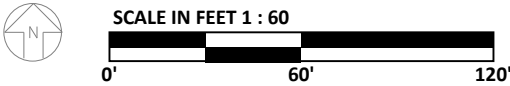
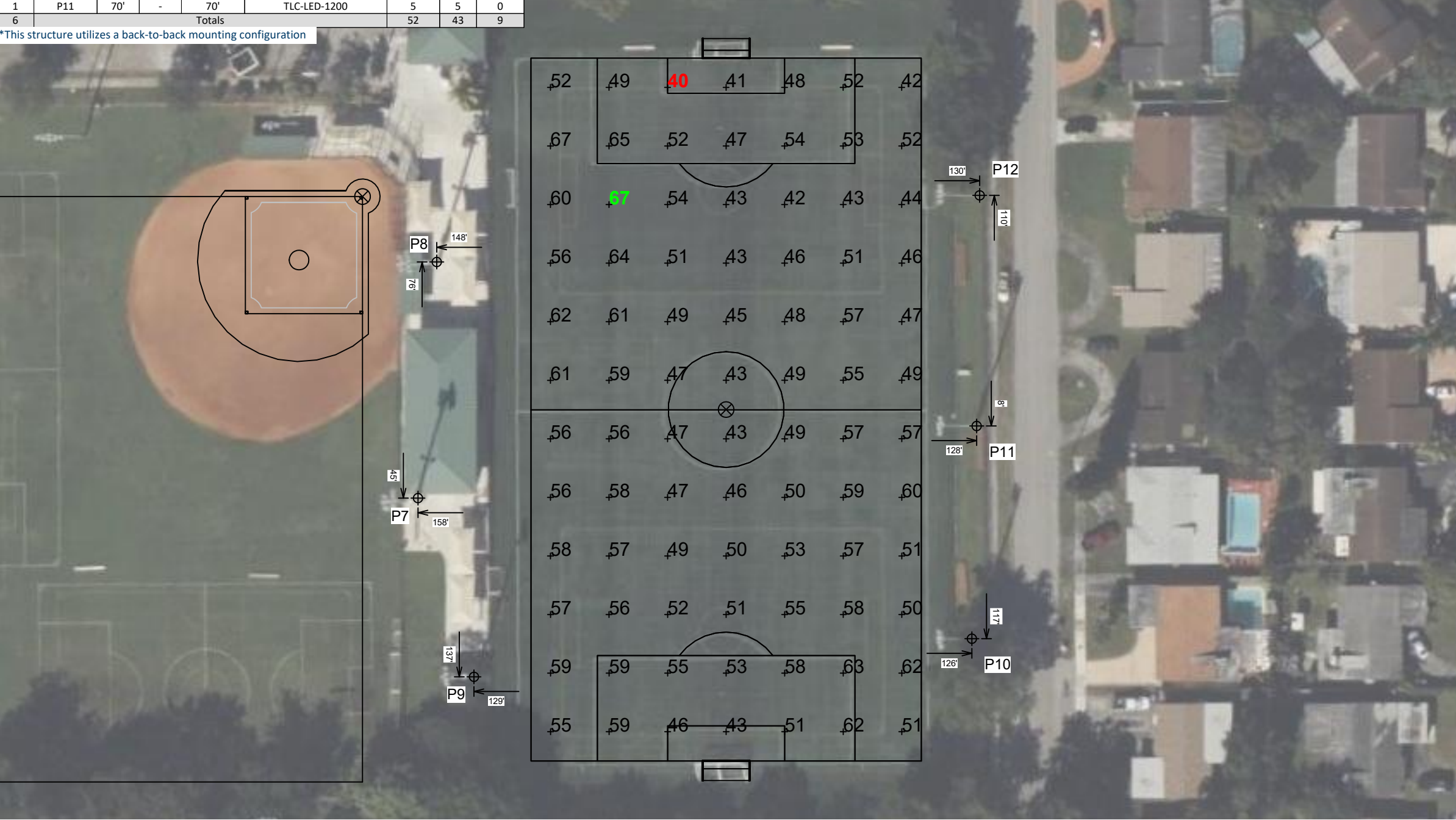
From Hometown to Professional



Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	P7	70'	-	70'	TLC-LED-1200	5/5*	5	5
				19'	TLC-BT-575	1	0	1
1	P8	70'	-	70'	TLC-LED-1200	8/2*	8	2
				16'	TLC-BT-575	3	2	1
1	P9	70'	-	70'	TLC-LED-1200	5	5	0
				16'	TLC-BT-575	2	2	0
2	P10 P12	70'	-	70'	TLC-LED-1200	6	6	0
				16'	TLC-BT-575	2	2	0
1	P11	70'	-	70'	TLC-LED-1200	5	5	0
6	Totals					52	43	9

*This structure utilizes a back-to-back mounting configuration



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Hollywood West
Hollywood, FL

Grid Summary

Name	Soccer
Size	360' x 200'
Spacing	30.0' x 30.0'
Height	3.0' above grade

Illumination Summary

MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Guaranteed Average	50
Scan Average	52.7
Maximum	67
Minimum	40
Avg/Min	1.32
Guaranteed Max/Min	2
Max/Min	1.69
UG (adjacent pts)	1.34
CU	0.71
No. of Points	96
LUMINAIRE INFORMATION	
Applied Circuits	A
No. of Luminaires	43
Total Load	45.55 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

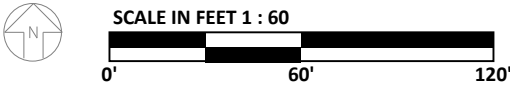
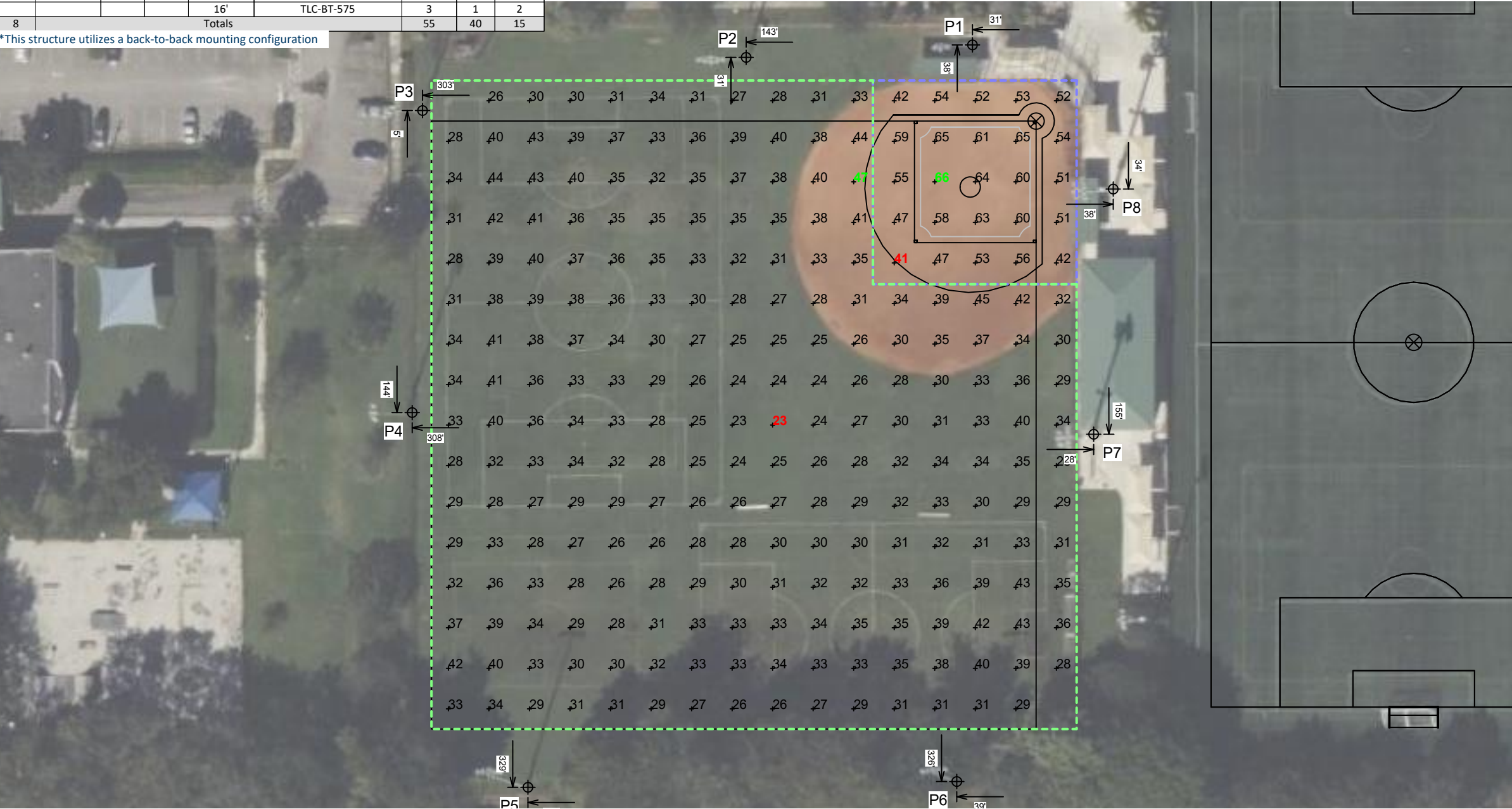
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	P1	60'	-	60'	TLC-LED-1200	2	2	0
				16'	TLC-BT-575	1	1	0
1	P2	70'	-	70'	TLC-LED-1200	5	5	0
				16'	TLC-BT-575	1	1	0
1	P3	70'	-	70'	TLC-LED-900	3	3	0
1	P4	70'	-	70'	TLC-LED-1200	5	5	0
				16'	TLC-BT-575	2	2	0
2	P5-P6	70'	-	70'	TLC-LED-1200	4	4	0
				16'	TLC-BT-575	2	2	0
1	P7	70'	-	70'	TLC-LED-1200	5/5*	5	5
				19'	TLC-BT-575	1	1	0
1	P8	70'	-	70'	TLC-LED-1200	8/2*	2	8
				16'	TLC-BT-575	3	1	2
8	Totals					55	40	15

*This structure utilizes a back-to-back mounting configuration



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Hollywood West

Hollywood, FL

Grid Summary

Name	Softball
Size	Irregular 300'/422'/298'
Spacing	20.0' x 20.0'
Height	3.0' above grade

Illumination Summary

	MAINTAINED HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Guaranteed Average	50	30
Scan Average	54.9	32.6
Maximum	66	47
Minimum	41	23
Avg/Min	1.34	1.40
Guaranteed Max/Min	2	2.5
Max/Min	1.60	2.00
UG (adjacent pts)	1.40	1.54
CU	0.73	
No. of Points	25	231
LUMINAIRE INFORMATION		
Applied Circuits	B	
No. of Luminaires	40	
Total Load	39.98 kW	

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



Hollywood West
Hollywood, FL

Grid Summary

Name Spill/Glare - 150'
Spacing 30.0' x 10.0'
Height 3.0' above grade

Illumination Summary

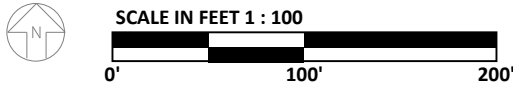
MAINTAINED HORIZONTAL FOOTCANDLES	
	Entire Grid
Scan Average	0.018
Maximum	0.06
Minimum	0.00
CU	0.00
No. of Points	94
LUMINAIRE INFORMATION	
Applied Circuits	A,B
No. of Luminaires	83
Total Load	85.53 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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Hollywood West

Hollywood, FL

Grid Summary

Name Spill/Glare - 150'
Spacing 30.0' x 10.0'
Height 3.0' above grade

Illumination Summary

MAINTAINED CANDELA (PER LIGHTBANK)	
Scan Average	Entire Grid 1485.337
Maximum	3774.29
Minimum	435.13
CU	0.00
No. of Points	94
LUMINAIRE INFORMATION	
Applied Circuits	A,B
No. of Luminaires	83
Total Load	85.53 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

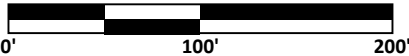
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



SCALE IN FEET 1 : 100



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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Hollywood West

Hollywood, FL

Grid Summary

Name Spill/Glare - 150'
Spacing 30.0' x 10.0'
Height 3.0' above grade

Illumination Summary

MAINTAINED MAX VERTICAL FOOTCANDLES	
Entire Grid	
Scan Average	0.054
Maximum	0.14
Minimum	0.01
CU	0.00
No. of Points	94
LUMINAIRE INFORMATION	
Applied Circuits	A,B
No. of Luminaires	83
Total Load	85.53 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

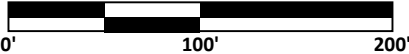
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



SCALE IN FEET 1 : 100



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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Hollywood West
Hollywood, FL

Grid Summary

Name Spill/Glare - Residential
Spacing 30.0' x 10.0'
Height 3.0' above grade

Illumination Summary

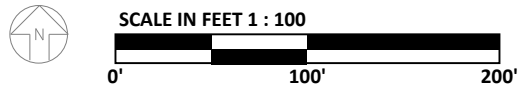
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average	0.088
Maximum	0.45
Minimum	0.00
CU	0.00
No. of Points	74
LUMINAIRE INFORMATION	
Applied Circuits	A,B
No. of Luminaires	83
Total Load	85.53 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗





Hollywood West

Hollywood, FL

Grid Summary

Name	Spill/Glare - Residential
Spacing	30.0' x 10.0'
Height	3.0' above grade

Illumination Summary

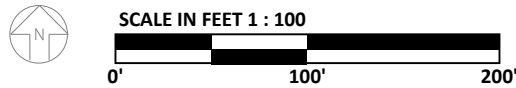
MAINTAINED CANDELA (PER LIGHTBANK)	
Scan Average	Entire Grid 3562.391
Maximum	10713.79
Minimum	46.84
CU	0.00
No. of Points	74
LUMINAIRE INFORMATION	
Applied Circuits	A,B
No. of Luminaires	83
Total Load	85.53 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



Hollywood West
Hollywood, FL

Grid Summary	
Name	Spill/Glare - Residential
Spacing	30.0' x 10.0'
Height	3.0' above grade

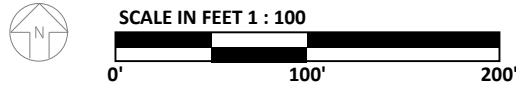
Illumination Summary	
	MAINTAINED MAX VERTICAL FOOTCANDLES
	Entire Grid
Scan Average	0.199
Maximum	0.61
Minimum	0.00
CU	0.00
No. of Points	74
LUMINAIRE INFORMATION	
Applied Circuits	A,B
No. of Luminaires	83
Total Load	85.53 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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Hollywood West

Hollywood, FL

Equipment Layout

INCLUDES:
· Soccer
· Softball

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

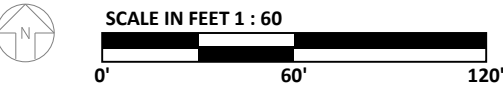
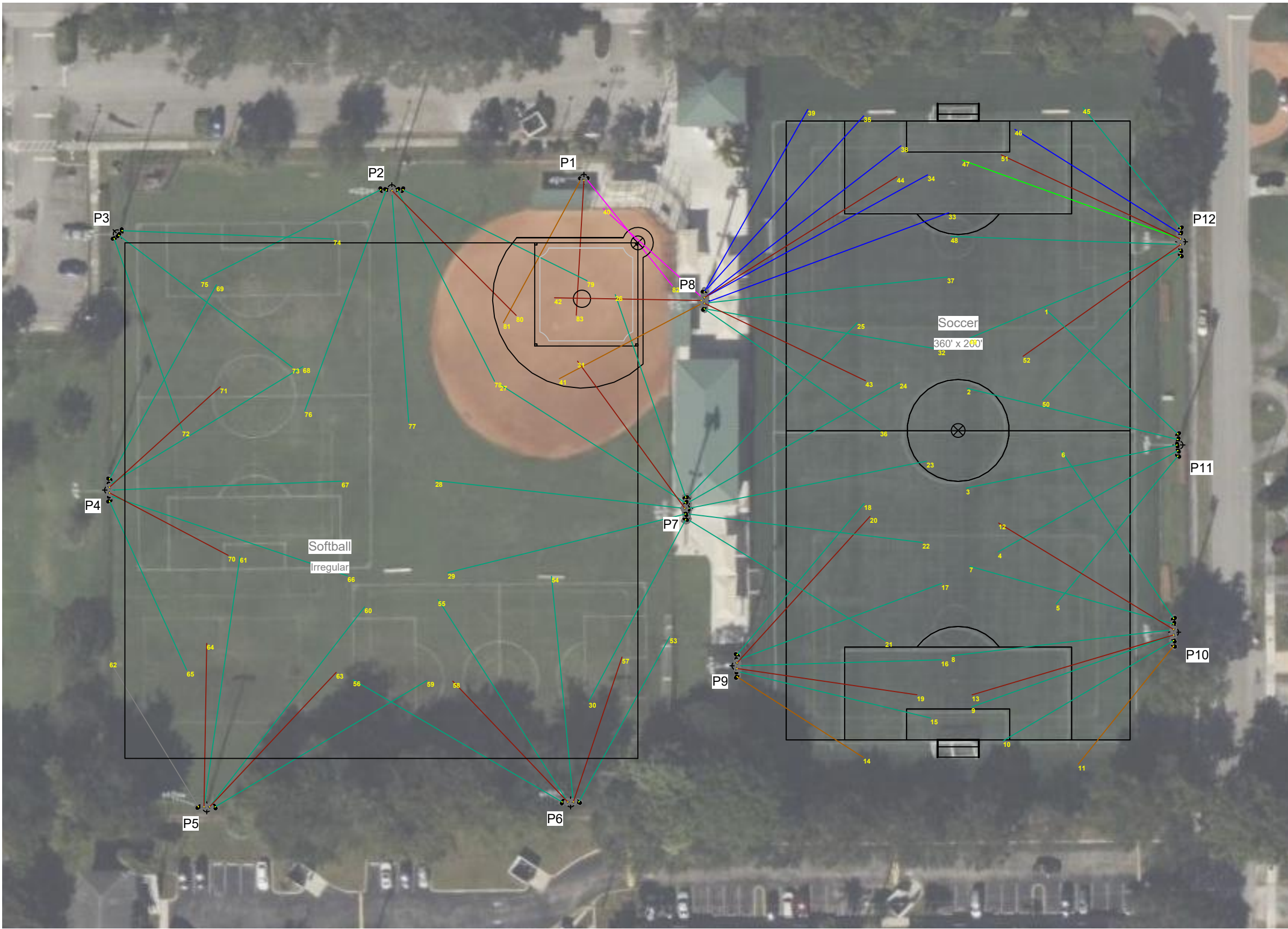
Equipment List For Areas Shown

Pole				Luminaires		
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/POLE
1	P1	60'	-	60'	TLC-LED-1200	2
				16'	TLC-BT-575	1
1	P2	70'	-	70'	TLC-LED-1200	5
				16'	TLC-BT-575	1
1	P3	70'	-	70'	TLC-LED-900	3
2	P4 P9	70'	-	70'	TLC-LED-1200	5
				16'	TLC-BT-575	2
2	P5-P6	70'	-	70'	TLC-LED-1200	4
				16'	TLC-BT-575	2
1	P7	70'	-	70'	TLC-LED-1200	5/5*
				19'	TLC-BT-575	1
1	P8	70'	-	70'	TLC-LED-1200	8/2*
				16'	TLC-BT-575	3
2	P10 P12	70'	-	70'	TLC-LED-1200	6
				16'	TLC-BT-575	2
1	P11	70'	-	70'	TLC-LED-1200	5
12	Totals					83

*This structure utilizes a back-to-back mounting configuration

Single Luminaire Amperage Draw Chart

Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Single Phase Voltage							
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-900	5.2	4.9	4.5	3.9	3.1	2.9	2.3



ENGINEERED DESIGN By: • File #231373A • 02-Nov-23

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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ATTACHMENT #3 –

HVAC SYSTEM CUTSHEETS



**REFERENCE ONLY - MODEL NUMBERS and
REFRIGERANT WILL CHANGE**

SUBMITTAL

Project

25-BT-074 - Thermo Air - NORESCO David Park

Date

Tuesday, March 18, 2025

Table Of Contents

Project: 25-BT-074 - Thermo Air - NORESKO David Park
Prepared By:

03/19/2025
08:59AM

25T	3
Unit Report	4
Performance Summary	6
Acoustic Summary	11
Certified Drawing	13

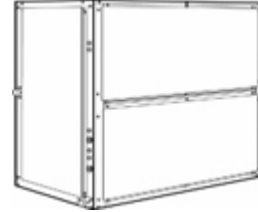
25T

**Submittal Cover Sheet
Unit Report
Performance Summary Report
Acoustic Summary
Certified Drawings**

Unit Report For 25T

Project: 25-BT-074 - Thermo Air - NORESKO David Park
Prepared By:

03/19/2025
08:59AM



Outdoor Unit Parameters

Unit Quantity:.....1
Unit Model:.....38AUD
Unit Size:.....25 Tons
Voltage:.....230-3-60 V-Ph-Hz
Condenser Coil:.....Al/Cu
No. of DX Circuits:.....2
No. of Stages:.....Three Stage

Indoor Unit Parameters

Unit Model:.....40RUA
Unit Size:.....25 Tons
No. of Coils:.....2
Voltage:.....230-3-60 V-Ph-Hz

System Parameter

System Quantity:.....1
Refrigerant Type:.....PURON
Compressor Quantity:.....2
Compressor Type:.....Scroll
Std. Capacity Steps:.....33,83, 100
No. of Outdoor fans:.....4

Outdoor Unit Dimensions and Weight

Unit Length:.....7' 2.1"
Unit Width:.....5' 7.1"
Unit Height:.....4' 2.4"
Unit Weight:.....978 lb

Indoor Unit Dimensions and Weight

Unit Length:.....8' 4.5"
Unit Width:.....2' 8.6"
Unit Height:.....5' 6.6"
Unit Weight:.....1050 lb
Add Service Clearance for Accy Heater:.....2' 6.0"

Warranty Information Outdoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information Indoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

NOTE: Please see Warranty Catalog 808-218 for explanation of policies and ordering methods.

Ordering Information

Part Number	Description	Quantity
Base Unit - Outdoor		
38AUDT28A0A5-0A0A0		1
	Base Unit	
	Al/Cu Condensing Coil	1
	Dual Circuit Three Cooling Stages Refrigerant Options	1
	Service Options - None	1
	Electrical Options - None	1
	Packaging Options - Standard	1
	Standard Electrical Mechanical Controls	1
	Refrig Circ/Compressor Staging - Dual Circuits/ Three Stage	1
Base Unit - Indoor		
40RUAA28T2A5-UA0A0		1

Unit Report For 25T

Project: 25-BT-074 - Thermo Air - NORESO David Park

03/19/2025

Prepared By:

08:59AM

	Base Unit	
	Alt High Static, High Effy Motor/ Medium Drive	1
	Cabinet Paint - None	1
	2-Speed Fan Controller (VFD)	1
	Electromechanical Unit Control Board	1
CAELHEAT028B00	20.0 kW, 240-3-60 Electric Heater	1

The 38AUZ/AUD are furnished with filter drier which is factory provided (field installed). Additional filter driers can be purchased separately through RCD (Replacement Components Division). See the Product Library for Replacement Filter Drier Information for more information.

Performance Summary For 25T

Project: 25-BT-074 - Thermo Air - NORESO David Park
Prepared By:

03/19/2025
08:59AM

System:.....38AUD028/40RUA_28
No. of Circuits:.....Dual Circuit
System Quantity:.....1
Altitude:.....0.0 ft
EER @ ARI Conditions:.....10.6
IEER:.....13.2
Suction Line Loss:.....1.4 °F
 Condensing unit is rated in accordance with ARI 365.

This system has a combined part load efficiency (IEER) that meets or exceeds the US DOE 2023 minimum cooling efficiency standards.

Typical Liquid and Suction Line Sizing

Pipe Length	Liquid Line Size	Suction Line Size
0 - 25	1/2	1 1/8
26 - 50	5/8	1 3/8
51 - 75	5/8	1 3/8
76 - 100	5/8	1 3/8
101 - 125	5/8	1 5/8
126 - 150	3/4	1 5/8
151 - 175	7/8	1 5/8
176 - 200	3/4	2 1/8

Refer to the 38AU installation instructions for installation specific line sizing guidance

Outdoor Unit Parameters

Unit Quantity:.....1
 PartNumber:.....38AUDT28A0A5-0A0A0
 Unit Model:.....38AUD
 Unit Size:.....25 Tons
 Condenser Coil:.....Al/Cu
 No. of DX Circuits:.....2
 Voltage:.....230-3-60 V-Ph-Hz
 Clg Ent Air DB:.....95.0 °F

Outdoor Electrical Data

Unit Voltage:.....230-3-60 V-Ph-Hz
 Unit MCA:.....101.8 Amps
 Unit MOCP:.....150.0 Amps
 Total Compressor Power of Unit:.....NA
 Voltage Range Min:.....187 V
 Voltage Range Max:.....253 V
 Compressor RLA:.....35.3/48.4
 Compressor LRA:.....240/245
 Compressor Quantity:.....2
 Fan Motors Qty:.....4
 Fan Motor FLA:.....1.5 Amps
 Notice: Outdoor unit elect. data is based on 230-3-60
 Control Panel SCCR: 5kA RMS at Rated Symmetrical Voltage

Control Panel SCCR: 5kA RMS at Rated Symmetrical Voltage

Indoor Unit Parameters

PartNumber:.....40RUAA28T2A5-UA0A0
 Unit Model:.....40RUA
 Unit Size:.....25 Tons
 Coil Rows:.....4
 No. of Splits:.....2
 Voltage:.....230-3-60 V-Ph-Hz

Performance Summary For 25T

Project: 25-BT-074 - Thermo Air - NORESCO David Park
Prepared By:

03/19/2025
08:59AM

Actual Airflow:	10000.0	CFM
Standard Airflow:	10000.0	CFM
Total Clg Cap.(Gross):	298.1	MBH
Sensible Clg Cap.(Gross):	230.2	MBH
Ent Air DB:	80.0	°F
Ent Air WB:	67.0	°F
Ent Enthalpy:	31.44	BTU/lb
Lvg Air DB:	58.7	°F
Lvg Air WB:	57.7	°F
Lvg Enthalpy:	24.81	BTU/lb
Coil Bypass Factor:	NA	

Accessory Heating

Heating Type:	Electric	
Acc Htg Capacity:	62.67	MBH
Acc Htg Ent. Air Temp:	60.0	°F
Acc Htg Lvg. Air Temp:	65.8	°F
Acc Heater Nominal Voltage:	240-3-60	
Acc Heater Nominal kW:	20.0	kW
Acc Heater Actual Voltage:	230-3-60	
Acc Heater FLA:	46.1	amps
Acc Stage 1 Actual kW:	18.4	kW

Indoor Supply Fan

Indoor Unit External Static:	1.00	in wg
Economizer Loss:	0.00	in wg
Grille Loss:	0.00	in wg
Plenum Loss:	0.00	in wg
Acc. Heating Loss:	0.16	in wg
Total Ext Static:	1.16	in wg
Fan Speed:	879	RPM
Fan Power:	5.94	BHP
Fan Motor Max:	10.00	BHP
Fan Motor FLA:	32.0	Amps

Alternate Motor and Medium Static Drive Required.
Selected Medium Static Drive Range: 798 - 984 RPM

Indoor Electrical Data

Unit Voltage:	230-3-60	V-Ph-Hz
Unit MCA:	100.1	Amps
Unit MOCP:	110.0	Amps

Notice: Indoor unit elect. data is based on 230-3-60

Acoustics

Sound Power Levels, db re 10E-12 Watts

A-Weighted	Outdoor Unit (dB)	Indoor Unit (dB,Ducted)
Total Level	86.0	96.3
63Hz	41.6	76.3
125Hz	55.8	82.4
250Hz	65.8	85.9
500Hz	82.6	92.3
1000Hz	81.0	89.5
2000Hz	78.4	88.7
4000Hz	72.0	84.5
8000Hz	63.7	NA
Sound Message	Sound for AUD_28	Sound for RUA_28

Acoustic Notes:

1. 38AXZ/D,38AUZ/D/Q units sound ratings are in accordance with AHRI 270-2008 - Sound Rating of Outdoor Unitary Equipment.

Performance Summary For 25T

Project: 25-BT-074 - Thermo Air - NORESKO David Park

03/19/2025

Prepared By:

08:59AM

2. 40RL/40RF/40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
3. The acoustic center of the unit is located at the geometric center of the unit.

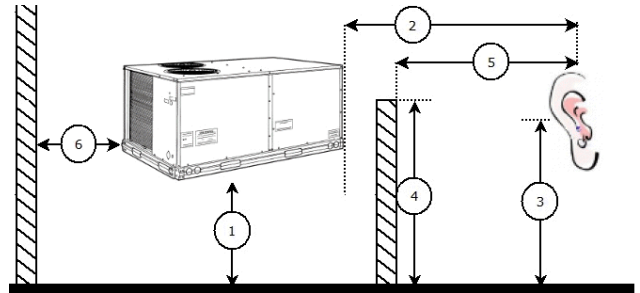
Performance Summary For 25T

Project: 25-BT-074 - Thermo Air - NORESO David Park
Prepared By:

03/19/2025
08:59AM

Advanced Acoustics Parameters

1. Unit height above ground:..... **1.0** ft
2. Horizontal distance from unit to receiver:..... **20.0** ft
3. Receiver height above ground:..... **5.7** ft
4. Height of obstruction:..... **0.0** ft
5. Horizontal dist. from obstruction to receiver:..... **0.0** ft
6. Horizontal dist. from unit to obstruction:..... **0.0** ft



Detailed Acoustics Information

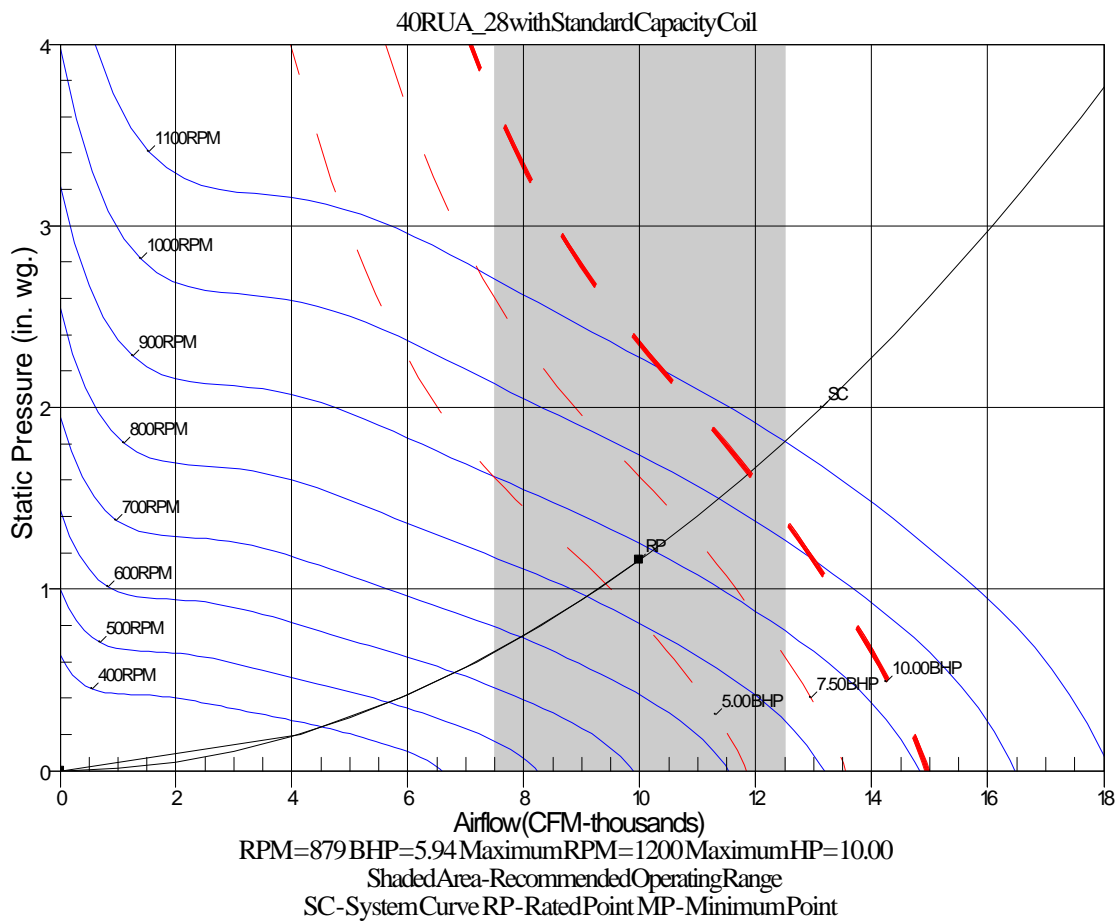
Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Overall
Sound Power Levels at Unit's Acoustic Center (Lw), dB	88	68	72	74	86	81	77	71	65	91
A-Wgtd Sound Power Levels at Unit's Acoustic Center (LwA), dBA	49	42	56	66	83	81	78	72	64	86
Sound Press. Levels at Dist. Specified above (Lp), dB	64	43	47	50	61	56	53	46	40	66
A-Wgtd Sound Press. Levels at Dist. Specified above (LpA), dBA	24	17	31	41	58	56	54	47	39	61

Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the AHRI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Performance Summary For 25T

Project: 25-BT-074 - Thermo Air - NORESO David Park
Prepared By:

03/19/2025
08:59AM



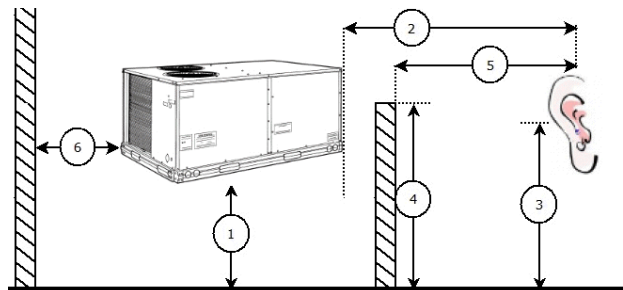
Acoustic Summary For 25T

Project: 25-BT-074 - Thermo Air - NORESCO David Park
Prepared By:

03/19/2025
08:59AM

Outdoor Unit Parameters:

Tag Name:..... **25T**
Unit Model:..... **38AUD**
Unit Size:..... **25 Tons**
System Type:..... **Dx Cooling Only**
Refrigerant Type:..... **PURON**
Compressor Quantity:..... **2**
Compressor Type:..... **Scroll**



Advanced Acoustics Parameters

1. Unit height above ground:..... **1.0** ft
2. Horizontal distance from unit to receiver:..... **20.0** ft
3. Receiver height above ground:..... **5.7** ft
4. Height of obstruction:..... **0.0** ft
5. Horizontal distance from obstruction to receiver:..... **0.0** ft
6. Horizontal distance from unit to obstruction:..... **0.0** ft

Detailed Acoustics Information

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Overall
Sound Power Levels at Unit's Acoustic Center (Lw), dB	88	68	72	74	86	81	77	71	65	91
A-Wgtd Sound Power Levels at Unit's Acoustic Center (LwA), dBA	49	42	56	66	83	81	78	72	64	86
Sound Press. Levels at Dist. Specified above (Lp), dB	64	43	47	50	61	56	53	46	40	66
A-Wgtd Sound Press. Levels at Dist. Specified above (LpA), dBA	24	17	31	41	58	56	54	47	39	61

Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the AHRI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Acoustic Note:

- 38AXZ/D,38AUZ/D/Q units sound ratings are in accordance with AHRI 270-2008 - Sound Rating of Outdoor Unitary Equipment.
- The acoustic center of the unit is located at the geometric center of the unit.
- All estimated sound power levels, dB re 1 Picowatt should not be guaranteed or certified as being the actual sound power levels.

Acoustic Note:

- Estimated Sound Power levels - dB re: 1 picowatt
- Estimated Sound Pressure levels - dB re: 20 micropascal
- Estimated sound levels given above are assumed to originate at the acoustic center of the unit. The acoustic center of the unit is located at the projection of the condensing unit's geometric center of its base.
- Sound power levels shown above were determined in accordance with ARI standard 370 for large outdoor refrigeration and air conditioning equipment.

5. Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the ARI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Acoustic Summary For 25T

Project: 25-BT-074 - Thermo Air - NORESKO David Park
Prepared By:

03/19/2025
08:59AM

Indoor Unit Parameters:

Tag Name:..... **25T**
Unit Model:..... **40RUA**
Unit Size:..... **25 Tons**
System Type:..... **Dx Cooling Only**
External Static Pressure:..... **1.16** in wg
Fan Speed:..... **879** RPM
Fan BHP:..... **5.94** BHP

Detailed Acoustics Information

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Total
Sound Power,dB	NA	103	99	95	96	90	88	84	NA	105
A-Weighted Sound Power, dBA	NA	76	82	86	92	90	89	85	NA	96

Acoustic Notes:

1. 40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
2. The acoustic center of the units is located at the geometric center of the unit.
3. All estimated sound power levels, dB re 1 Picowatt should not be guaranteed or certified as being the actual sound power levels.

Certified Drawing for 25T

Project: 25-BT-074 - Thermo Air - NORESKO David Park
Prepared By:

03/19/2025
08:59AM

UNIT	ELECTRICAL CHARACTERISTICS	STD. UNIT WT.		CORNER A		CORNER B		CORNER C		CORNER D		CENTER OF GRAVITY			UNIT HEIGHT
		LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	X	Y	Z	
38AUZ25 (RTPF)	208/230-3-60,460-3-60,575-3-60	978	444	360	163	188	85	147	67	203	128	38 (965.2)	23 (584.2)	17 (431.8)	50-3/8 (1279.2)
38AUD25 (RTPF)	208/230-3-60,460-3-60,575-3-60	978	444	360	163	188	85	147	67	203	128	38 (965.2)	23 (584.2)	17 (431.8)	50-3/8 (1279.2)
38AUD28 (RTPF)	208/230-3-60,460-3-60,575-3-60	978	444	327	148	210	95	173	78	269	122	39 (990.6)	26.25 (666.8)	17 (431.8)	50-3/8 (1279.2)



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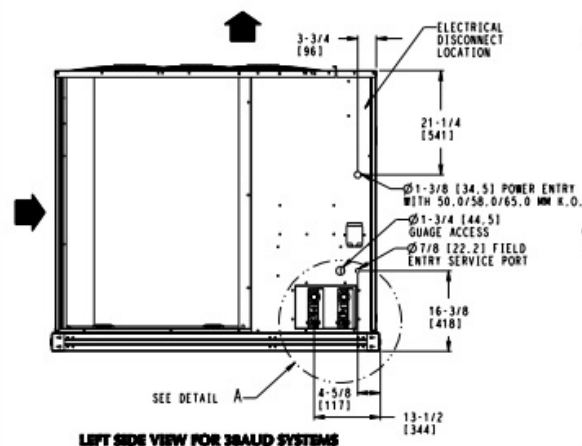
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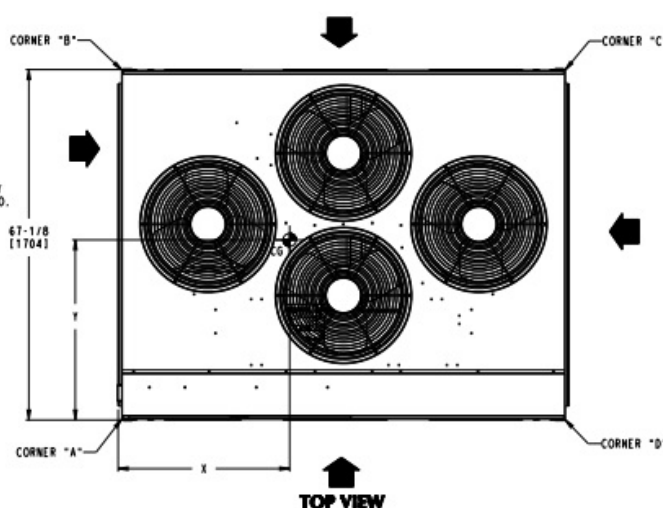
- MINIMUM CLEARANCE (LOCAL CODES OR JURISDICTION MAY PREVAIL):
 - BOTTOM TO COMBUSTIBLE SURFACES: 0 INCHES.
 - OUTDOOR COIL, FOR PROPER AIR FLOW: 36 INCHES ONE SIDE, 12 INCHES THE OTHER, THE SIDE GETTING THE GREATER CLEARANCE IS OPTIONAL.
 - OVERHEAD: 60 INCHES, TO ASSURE PROPER OUTDOOR FAN OPERATION.
 - BETWEEN UNITS: CONTROL BOX SIDE, 42 INCHES PER NEC.
 - BETWEEN UNIT AND UNGROUNDED SURFACES: CONTROL BOX SIDE, 36 INCHES PER NEC.
 - BETWEEN UNIT AND BLOCK OR CONCRETE WALLS AND OTHER GROUNDED SURFACES: CONTROL BOX SIDE, 42 INCHES PER NEC.
- WITH EXCEPTION OF THE CLEARANCE FOR THE OUTDOOR COIL AS STATED IN NOTE 1B, A REMOVABLE FENCE OR BARRICADE REQUIRES NO CLEARANCE.
- UNITS MAY BE INSTALLED ON COMBUSTIBLE FLOORS MADE FROM WOOD OR CLASS A, B OR C ROOF COVERING MATERIAL.

SERVICE VALVE CONNECTIONS			
UNIT	SUCTION	LIQUID	QTY
38AUZ25	1-5/8 (41.3)	5/8 (15.9)	1 EA
38AUD25	1-3/8 (34.9)	1/2 (12.7)	2 EA

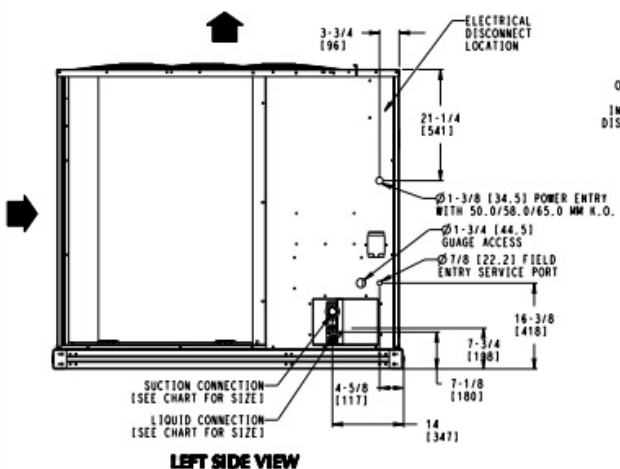
CENTER OF GRAVITY
 DIRECTION OF AIR FLOW
 DIMENSIONS IN 1 1 ARE IN MM



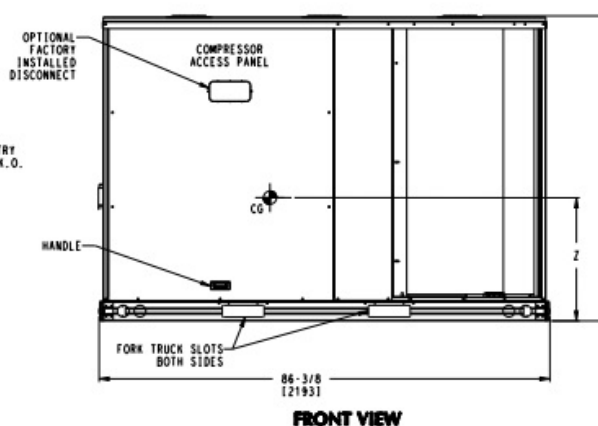
LEFT SIDE VIEW FOR 38AUD SYSTEMS



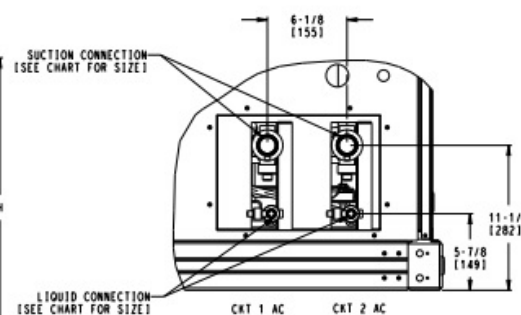
TOP VIEW



LEFT SIDE VIEW



FRONT VIEW



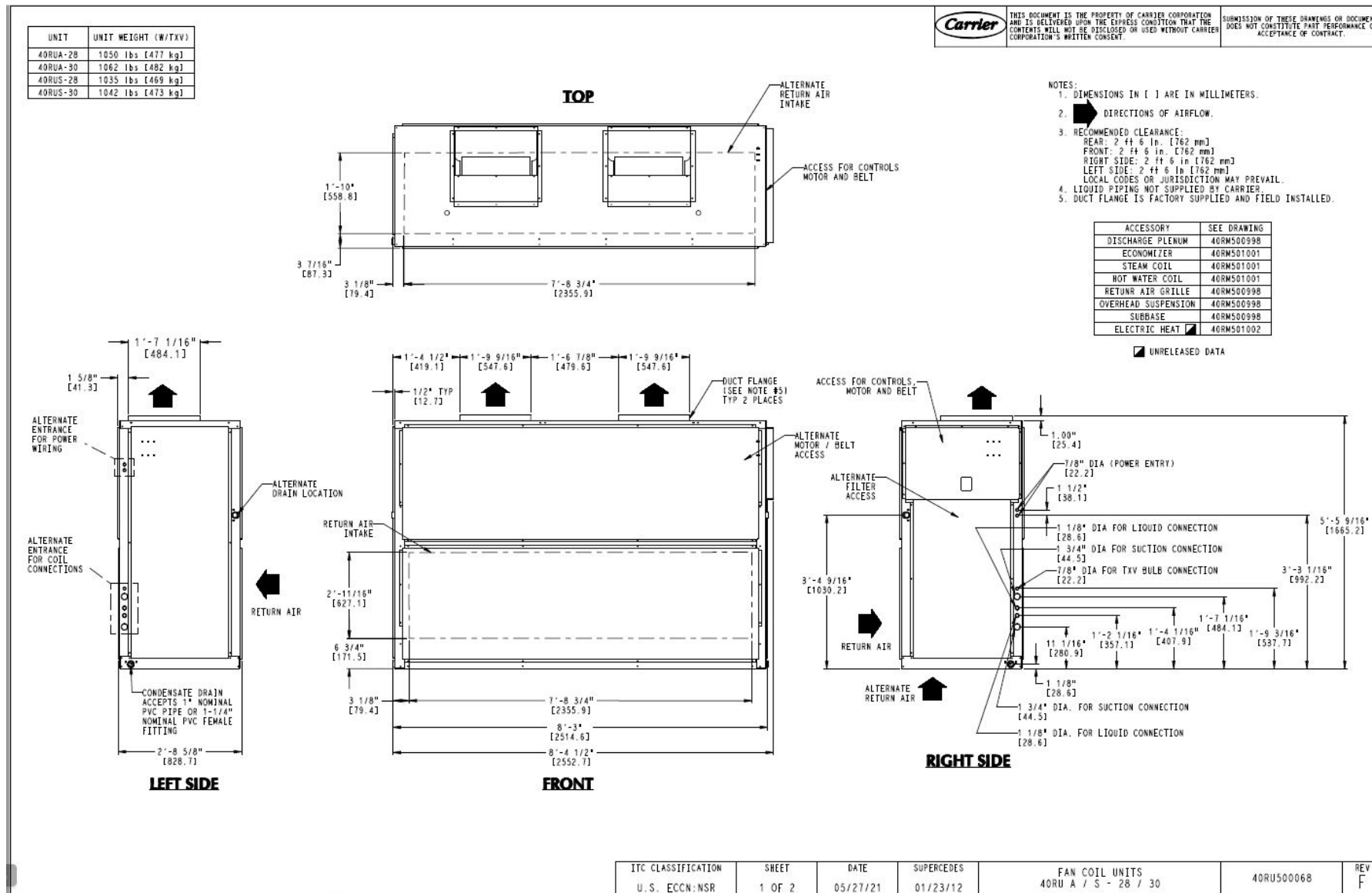
DETAIL A
(NOTE POSITION OF CKT 1)

DATE	SUPERCEDES	38AUZ , 38AUD CONDENSING UNIT	38AU500370	F
9/1/22	11/17/10			

Certified Drawing for 25T

Project: 25-BT-074 - Thermo Air - NORESKO David Park
Prepared By:

03/19/2025
08:59AM

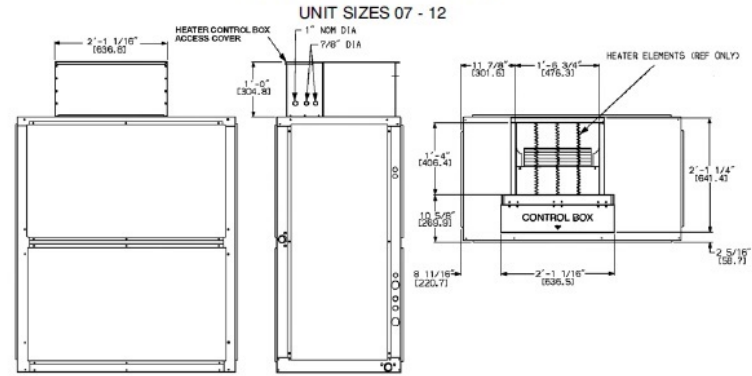


Certified Drawing for 25T

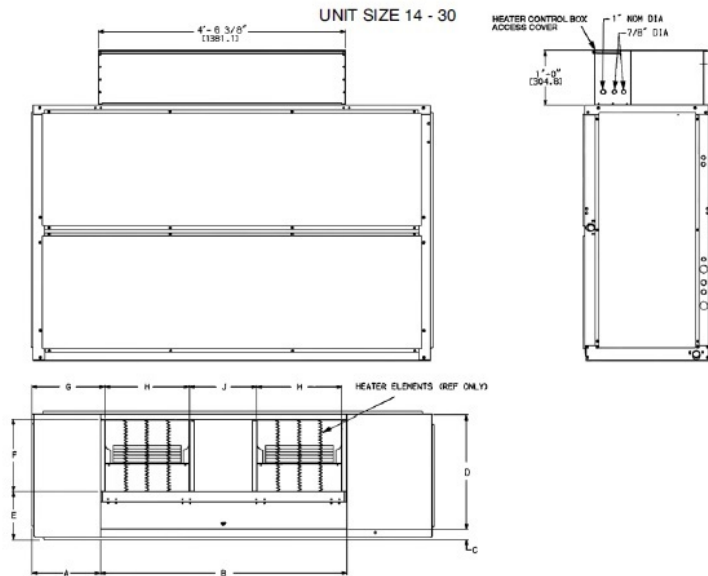
Project: 25-BT-074 - Thermo Air - NORESKO David Park
Prepared By:

03/19/2025
08:59AM

ELECTRIC HEAT ACCESSORY



40RU



C160006

40RU UNIT SIZE	A	B	C	D	E	F	G	H	J
14 - 25	1'-3 1/4" [387.4]	4'-6 3/8" [1381.1]	2'-1 1/8" [508.0]	2'-1 1/4" [641.4]	10 5/8" [269.9]	1'-4" [406.4]	1'-4 5/16" [414.3]	1'-6 3/4" [476.3]	1'-7/8" [327.0]
28, 30	1'-3 3/8" [390.5]	5'-4 7/8" [1636.8]	2'-1 1/8" [520.7]	2'-6 3/16" [766.8]	1'-1 1/4" [311.2]	1'-7" [482.6]	1'-4 5/16" [414.3]	1'-10" [558.8]	1'-4 7/16" [417.1]

NOTE: Dimensions in [] are millimeters.



SUBMITTAL

Project

25-BT-075 - Thermo - Noresco Kay Gaither

Date

Tuesday, March 18, 2025

Table Of Contents

Project: 25-BT-075 - Thermo - Noresco Kay Gaither

03/18/2025

Prepared By:

5T	3
Unit Report	4
Performance Summary	6
System Parameters	6
Electrical Data	6
Acoustic Summary	7
Certified Drawing	8
4T	11
Unit Report	12
Performance Summary	14
System Parameters	14
Electrical Data	14
Acoustic Summary	15
Certified Drawing	16

5T

**Submittal Cover Sheet
Unit Report
Performance Summary Report
Acoustic Summary
Certified Drawings**

Unit Report For 5T

Project: 25-BT-075 - Thermo - Noresco Kay Gaither
Prepared By:

03/18/2025



Outdoor Unit Parameters

Unit Model:.....26SCA
Unit Size:.....5 Tons (Size 60)
Voltage:.....208/230-1-60 V-Ph-Hz

Indoor Coil Parameters

Unit Model:.....FJ5A
Unit Size:.....60,000 Btuh (Size 60)
Voltage:.....208-1-60 V-Ph-Hz
Heating Size:.....No Heat

Outdoor Unit Dimensions and Weight

Unit Length:.....31.1875 in
Unit Width:.....31.1875 in
Unit Height:.....38.875 in
Unit Shipping Weight:.....216. lb

Indoor Coil Dimensions and Weight

Unit Length:.....22.0625 in
Unit Width:.....24.6875 in
Unit Height:.....59.1875 in
Unit Shipping Weight:.....210. lb

Ordering Information

Part Number	Description	Quantity
Outdoor Unit		
26SCA560W003	Comfort Single Stage Air Conditioner with Puron Advance 5 Tons Cooling	1
	15 SEER @ ARI Conditions	
Indoor Coil		
FJ5ANXD60L00	FJ5A Comfort Series Fan Coil with Puron Advance (R-454B) Refrigerant 60000 BTU Cooling 208/230-1-60 Singular, TXV/ 24 Inches Cabinet	1
	Aluminum	
Accessories		
KFFE0801N08	8 KW-NON FUSED for Indoor Unit	

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Performance Summary For 5T

Project: 25-BT-075 - Thermo - Noresco Kay Gaither
Prepared By:

03/18/2025

System Performance

System:	26SCA/FJ5A	Actual Clg Airflow:.....	1800.0	CFM
System Quantity:.....	1	Standard Clg Airflow:.....	1800.0	CFM
Altitude:.....	0.0 ft	Total Net Clg Capacity:.....	59.24	MBH
Linear Pipe Length:.....	0.0 ft	Net Sensible Clg Capacity:.....	44.33	MBH
SEER @ ARI Conditions:.....	16.0	Total System Power:.....	4.57	kW
EER @ ARI Conditions:.....	13.0			

System Parameters

Outdoor Unit Parameters

Unit Model:.....	26SCA560W003
Unit Size (Nominal):.....	5 Tons (Size 60)
Voltage:.....	208/230-1-60 V-Ph-Hz
Clg Ent Air DB Ambient:.....	95.0 °F

Indoor Coil Parameters

Unit Model:.....	FJ5ANXD60L00
Unit Size (Nominal):.....	60,000 Btuh (Size 60)
Voltage:.....	208-1-60 V-Ph-Hz
Ent Air DB:.....	80.00 °F
Ent Air WB:.....	67.00 °F
Ent Enthalpy:.....	31.44 BTU/lb
Lvg Air DB:.....	57.19 °F
Lvg Air WB:.....	56.57 °F
Lvg Enthalpy:.....	24.12 BTU/lb
Heating Size (Nominal):.....	No Heat
Total External Static Pressure:.....	0.50 in wg

Electrical Data

Outdoor Electrical Data

Unit Voltage:.....	208/230-1-60 V-Ph-Hz
Fan Motor FLA:.....	1.40 Amps
MCA:.....	31.1 Amps
Max Fuse:.....	50 Amps
Operating Range Min:.....	197 V
Operating Range Max:.....	253 V
Compressor RLA:.....	23.7 Amps
Compressor LRA:.....	157.0 Amps

Indoor Electrical Data

Unit Voltage:.....	208-1-60 V-Ph-Hz
Motor HP:.....	3/4 HP
Motor FLA:.....	6.1 Amps

Accessory Electric Heater Data

EH Part Number:.....	KFFE0801N08
Electric Heater kW:.....	6.0 kW
For 2 wire operation (single circuit):	
Heater Amps:.....	28.5 Amps
Heater + Motor MCA:.....	42.8 Amps
Heater + Motor MOCP:.....	45 Amps
Accessory Voltage:.....	208-1-60 V-Ph-Hz

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Acoustic Summary For 5T

Project: 25-BT-075 - Thermo - Noresco Kay Gaither
Prepared By:

03/18/2025

Outdoor Unit Parameters:

Unit Model:.....26SCA
Unit Size:.....5 Tons (Size 60)
Variations:.....Standard

Octave Band Center Frequency, Hz	125	250	500	1k	2k	4k	8k	dBA
Sound Power,dB	60.0	64.0	69.0	71.0	66.0	64.0	65.0	
A-Weighted Sound Power, dBA								75.0

Indoor Coil Parameters:

Unit Model:.....FJ5A
Unit Size:.....60,000 Btuh (Size 60)

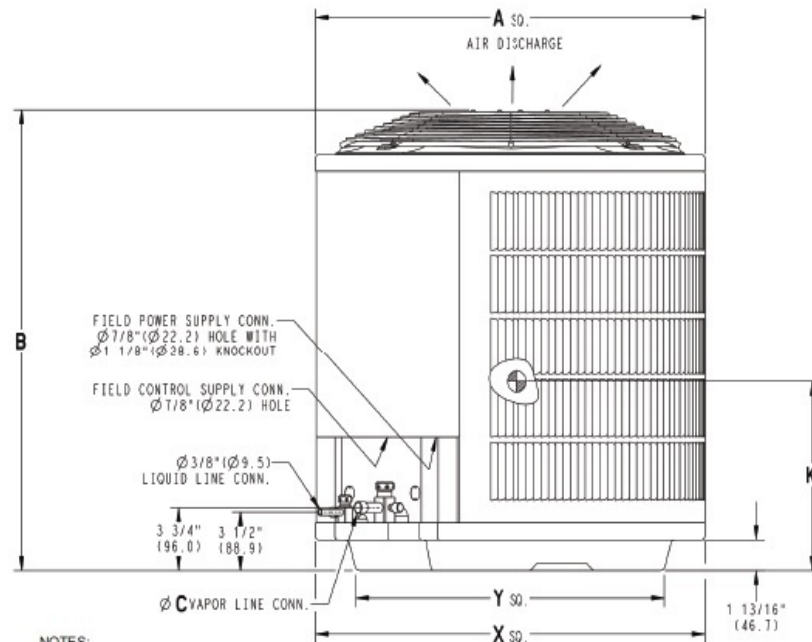
Octave Band Center Frequency, Hz	63	125	250	500	1k	2k	4k
Sound Power,dB	76.0	72.0	68.0	65.0	63.0	61.0	57.0

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For 5T

Project: 25-BT-075 - Thermo - Noresco Kay Gaither
Prepared By:

03/18/2025

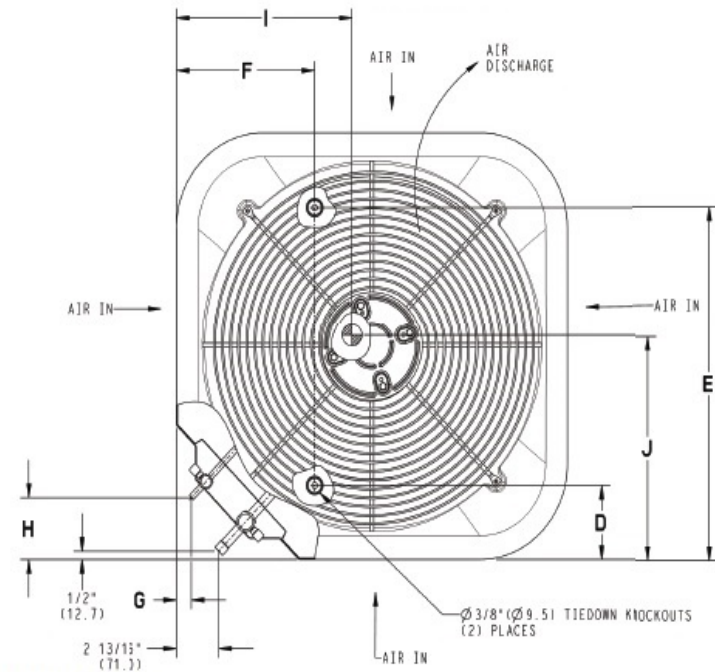


NOTES:

1. ALLOW 24" (609.6) CLEARANCE TO SERVICE SIDE OF UNIT, 48" (1219.2) ABOVE UNIT, 6" (152.4) ON ONE SIDE, 12" (304.8) ON REMAINING SIDE, AND 24" (609.6) BETWEEN UNITS FOR PROPER AIRFLOW.

2. CENTER OF GRAVITY

3. SERIES DESIGNATION IS THE 13TH POSITION OF THE UNIT MODEL NUMBER.



Outdoor Model

Unit Model: **26SCA**
Unit Size: **5 Tons (Size 60)**
Voltage: **208/230-1-60** V-Ph-Hz
SEER: **15**
PartNumber: **26SCA560W003**

Shipping Dimensions and Weights	Outdoor Unit
Height	43.25 in
Width	34.25 in
Length	34.25 in
Operating Weight	196. lb
Shipping Weight	216. lb

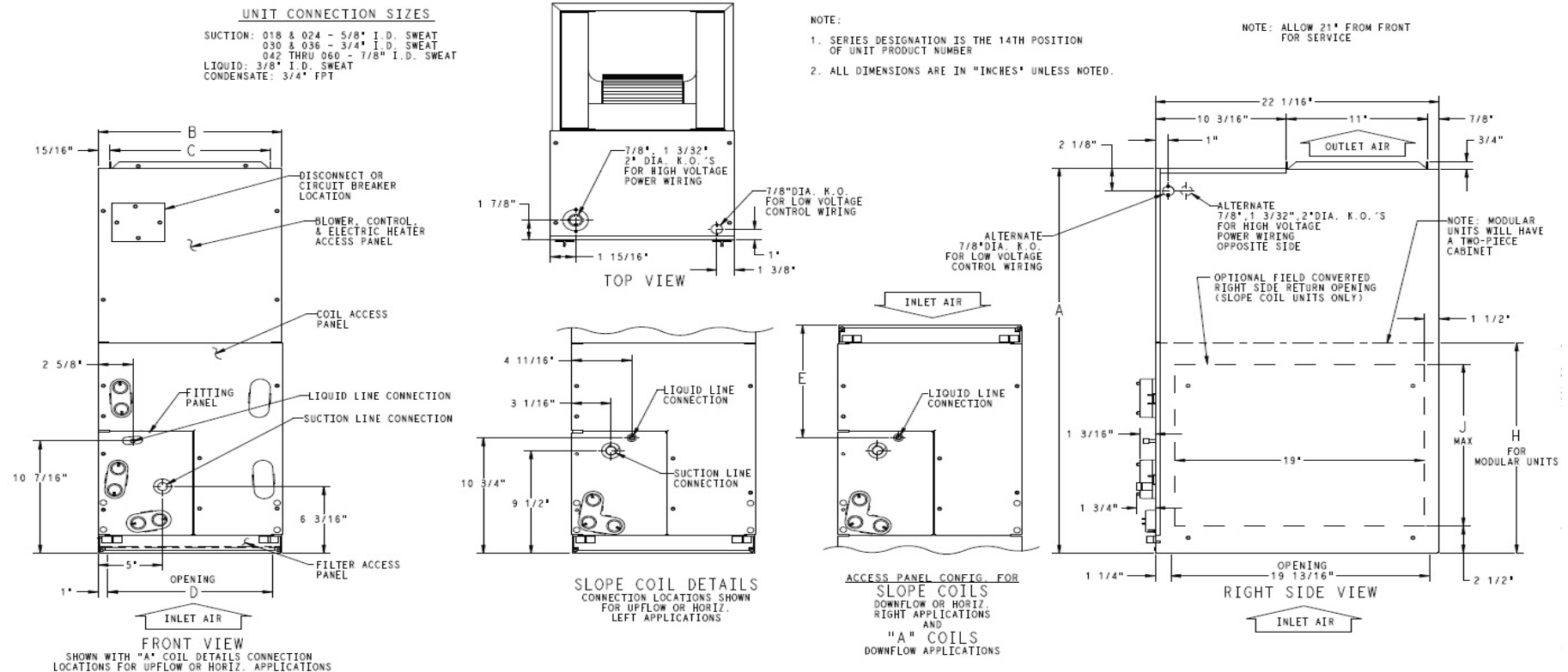
Dimensions										
A	B	C	D	E	F	G	H	I	J	K
31.19 in	38.88 in	0.88 in	6.56 in	24.69 in	9.13 in	0.31 in	3.00 in	15.75 in	16.50 in	19.25 in

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For 5T

Project: 25-BT-075 - Thermo - Noresco Kay Gaither
Prepared By:

03/18/2025



Indoor Coil

Unit Model:.....**FJ5A**
Unit Size:.....**60,000 Btuh (Size 60)**
Voltage:.....**208-1-60** V-Ph-Hz
Cabinet Insulation:**Singular, TXV/ 24 Inches Cabinet**
PartNumber:.....**FJ5ANXD60L00**

Dimensions and Weights	Indoor Coil
Height	59.19 in
Width	24.69 in
Length	22.06 in
Shipping Weight	210. lb

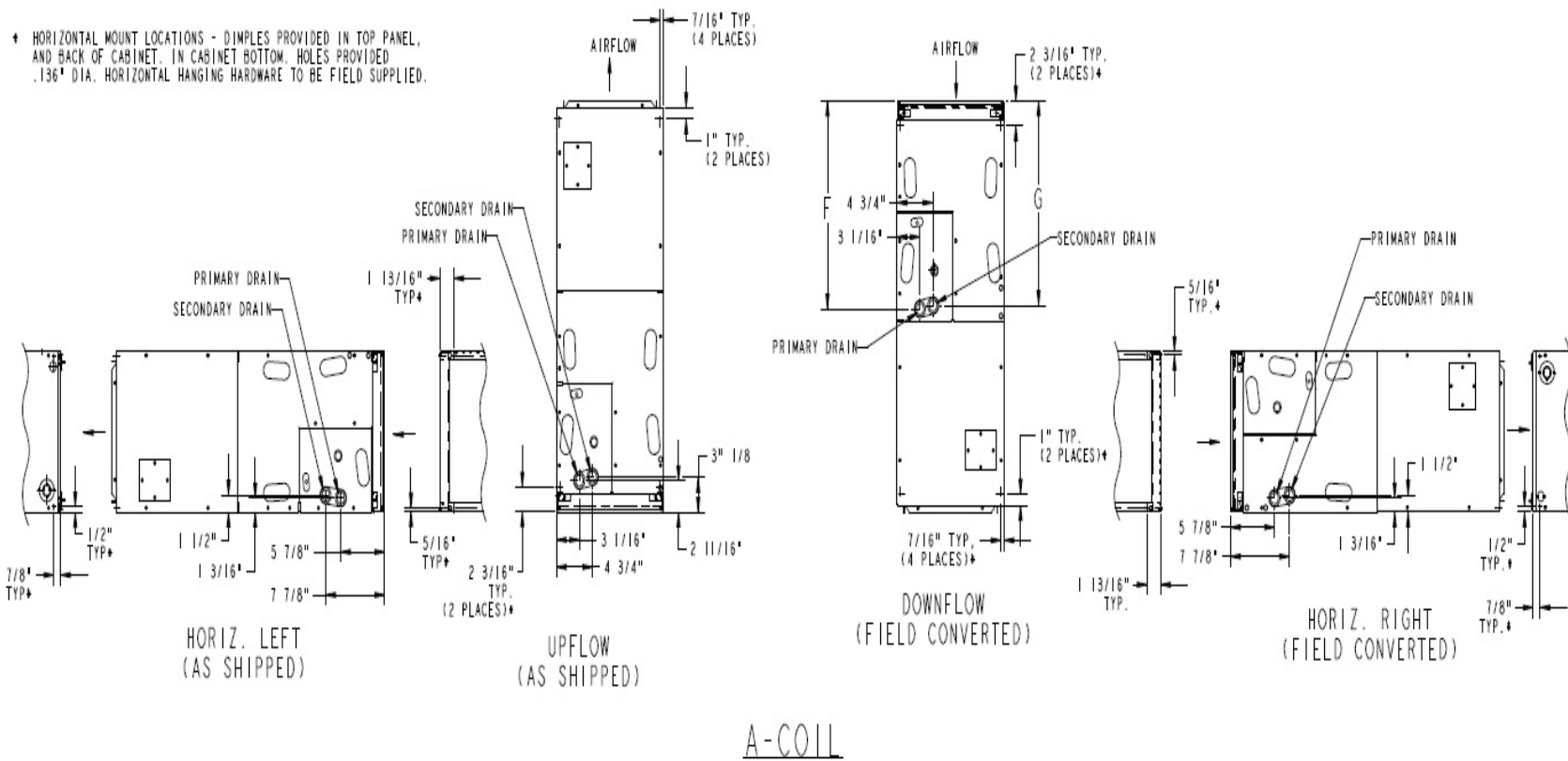
Dimensions								
A	B	C	D	E	F	G	H	J
59.19 in	24.69 in	22.75 in	22.69 in	25.25 in	32.94 in	32.63 in	--	--

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For 5T

Project: 25-BT-075 - Thermo - Noresco Kay Gaither
Prepared By:

03/18/2025



Indoor Coil

Unit Model:.....FJ5A
 Unit Size:.....60,000 Btuh (Size 60)
 Voltage:.....208-1-60 V-Ph-Hz
 PartNumber:.....FJ5ANXD60L00

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

4T

**Submittal Cover Sheet
Unit Report
Performance Summary Report
Acoustic Summary
Certified Drawings**

Unit Report For 4T

Project: 25-BT-075 - Thermo - Noresco Kay Gaither
Prepared By:

03/18/2025



Outdoor Unit Parameters

Unit Model:.....**26SCA**
Unit Size:.....**4 Tons (Size 48)**
Voltage:.....**208/230-1-60** V-Ph-Hz

Indoor Coil Parameters

Unit Model:.....**FJ5A**
Unit Size:.....**48,000 Btuh (Size 48)**
Voltage:.....**208-1-60** V-Ph-Hz
Heating Size:.....**No Heat**

Outdoor Unit Dimensions and Weight

Unit Length:.....**31.1875** in
Unit Width:.....**31.1875** in
Unit Height:.....**32.0625** in
Unit Shipping Weight:.....**199.** lb

Indoor Coil Dimensions and Weight

Unit Length:.....**22.0625** in
Unit Width:.....**21.125** in
Unit Height:.....**53.4375** in
Unit Shipping Weight:.....

Part Number	Description	Quantity
Outdoor Unit		
26SCA548W003	Comfort Single Stage Air Conditioner with Puron Advance 4 Tons Cooling	1
	15 SEER @ ARI Conditions	
Indoor Coil		
FJ5ANXC48L00	FJ5A Comfort Series Fan Coil with Puron Advance (R-454B) Refrigerant 48000 BTU Cooling 208/230-1-60	1
	Singular, TXV/ 21 Inches Cabinet	
	Aluminum	
Accessories		
KFFE0801N08	8 KW-NON FUSED for Indoor Unit	

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Performance Summary For 4T

Project: 25-BT-075 - Thermo - Noresco Kay Gaither
Prepared By:

03/18/2025

System Performance

System:	26SCA/FJ5A	Actual Clg Airflow:.....	1500.0	CFM
System Quantity:.....	1	Standard Clg Airflow:.....	1500.0	CFM
Altitude:.....	0.0 ft	Total Net Clg Capacity:.....	48.44	MBH
Linear Pipe Length:.....	0.0 ft	Net Sensible Clg Capacity:.....	36.32	MBH
SEER @ ARI Conditions:.....	15.2	Total System Power:.....	3.89	kW
EER @ ARI Conditions:.....	12.5			

System Parameters

Outdoor Unit Parameters

Unit Model:.....	26SCA548W003
Unit Size (Nominal):.....	4 Tons (Size 48)
Voltage:.....	208/230-1-60 V-Ph-Hz
Clg Ent Air DB Ambient:.....	95.0 °F

Indoor Coil Parameters

Unit Model:.....	FJ5ANXC48L00
Unit Size (Nominal):.....	48,000 Btuh (Size 48)
Voltage:.....	208-1-60 V-Ph-Hz
Ent Air DB:.....	80.00 °F
Ent Air WB:.....	67.00 °F
Ent Enthalpy:.....	31.44 BTU/lb
Lvg Air DB:.....	57.58 °F
Lvg Air WB:.....	56.79 °F
Lvg Enthalpy:.....	24.26 BTU/lb
Heating Size (Nominal):.....	No Heat
Total External Static Pressure:.....	0.50 in wg

Electrical Data

Outdoor Electrical Data

Unit Voltage:.....	208/230-1-60 V-Ph-Hz
Fan Motor FLA:.....	1.52 Amps
MCA:.....	29.1 Amps
Max Fuse:.....	50 Amps
Operating Range Min:.....	197 V
Operating Range Max:.....	253 V
Compressor RLA:.....	22.4 Amps
Compressor LRA:.....	126.0 Amps

Indoor Electrical Data

Unit Voltage:.....	208-1-60 V-Ph-Hz
Motor HP:.....	3/4 HP
Motor FLA:.....	6.1 Amps

Accessory Electric Heater Data

EH Part Number:.....	KFFE0801N08
Electric Heater kW:.....	6.0 kW
For 2 wire operation (single circuit):	
Heater Amps:.....	28.5 Amps
Heater + Motor MCA:.....	42.8 Amps
Heater + Motor MOCP:.....	45 Amps
Accessory Voltage:.....	208-1-60 V-Ph-Hz

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Acoustic Summary For 4T

Project: 25-BT-075 - Thermo - Noresco Kay Gaither
Prepared By:

03/18/2025

Outdoor Unit Parameters:

Unit Model:.....26SCA
Unit Size:.....4 Tons (Size 48)
Variations:.....Standard

Octave Band Center Frequency, Hz	125	250	500	1k	2k	4k	8k	dBA
Sound Power,dB	57.0	65.0	69.0	71.0	67.0	64.0	59.0	
A-Weighted Sound Power, dBA								75.0

Indoor Coil Parameters:

Unit Model:.....FJ5A
Unit Size:.....48,000 Btuh (Size 48)

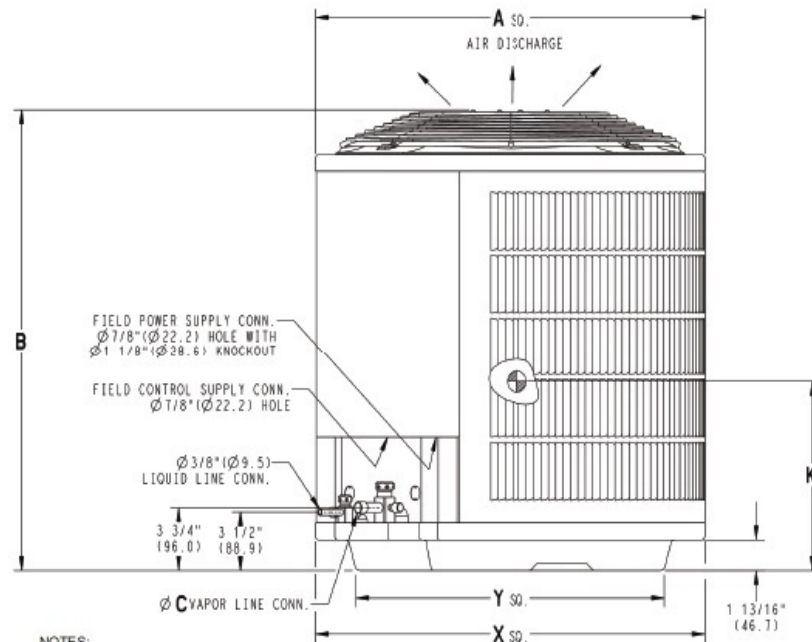
Octave Band Center Frequency, Hz	63	125	250	500	1k	2k	4k
Sound Power,dB	75.0	71.0	67.0	64.0	62.0	60.0	56.0

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For 4T

Project: 25-BT-075 - Thermo - Noresco Kay Gaither
Prepared By:

03/18/2025

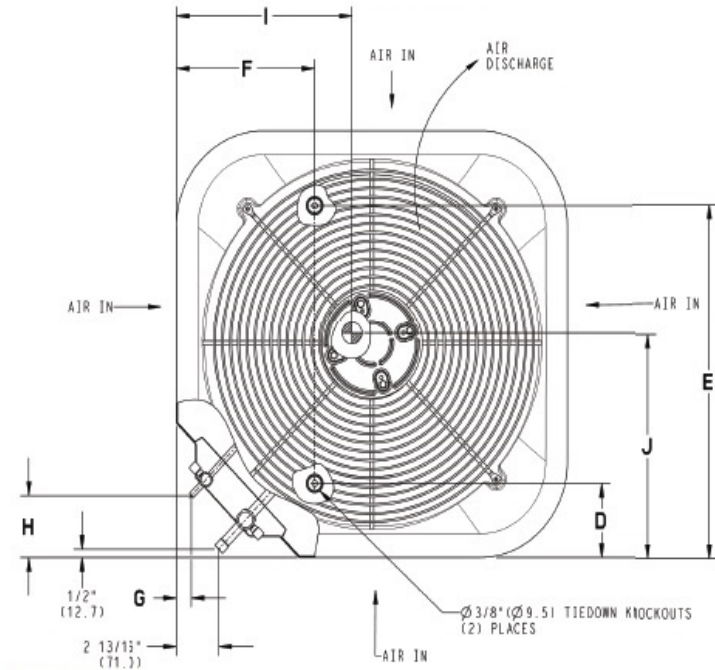


NOTES:

1. ALLOW 24" (609.6) CLEARANCE TO SERVICE SIDE OF UNIT, 48" (1219.2) ABOVE UNIT, 6" (152.4) ON ONE SIDE, 12" (304.8) ON REMAINING SIDE, AND 24" (609.6) BETWEEN UNITS FOR PROPER AIRFLOW.

2. CENTER OF GRAVITY

3. SERIES DESIGNATION IS THE 13TH POSITION OF THE UNIT MODEL NUMBER.



Outdoor Model

Unit Model: 26SCA
Unit Size: 4 Tons (Size 48)
Voltage: 208/230-1-60 V-Ph-Hz
SEER: 15
PartNumber: 26SCA548W003

Shipping Dimensions and Weights	Outdoor Unit
Height	36.44 in
Width	34.25 in
Length	34.25 in
Operating Weight	180. lb
Shipping Weight	199. lb

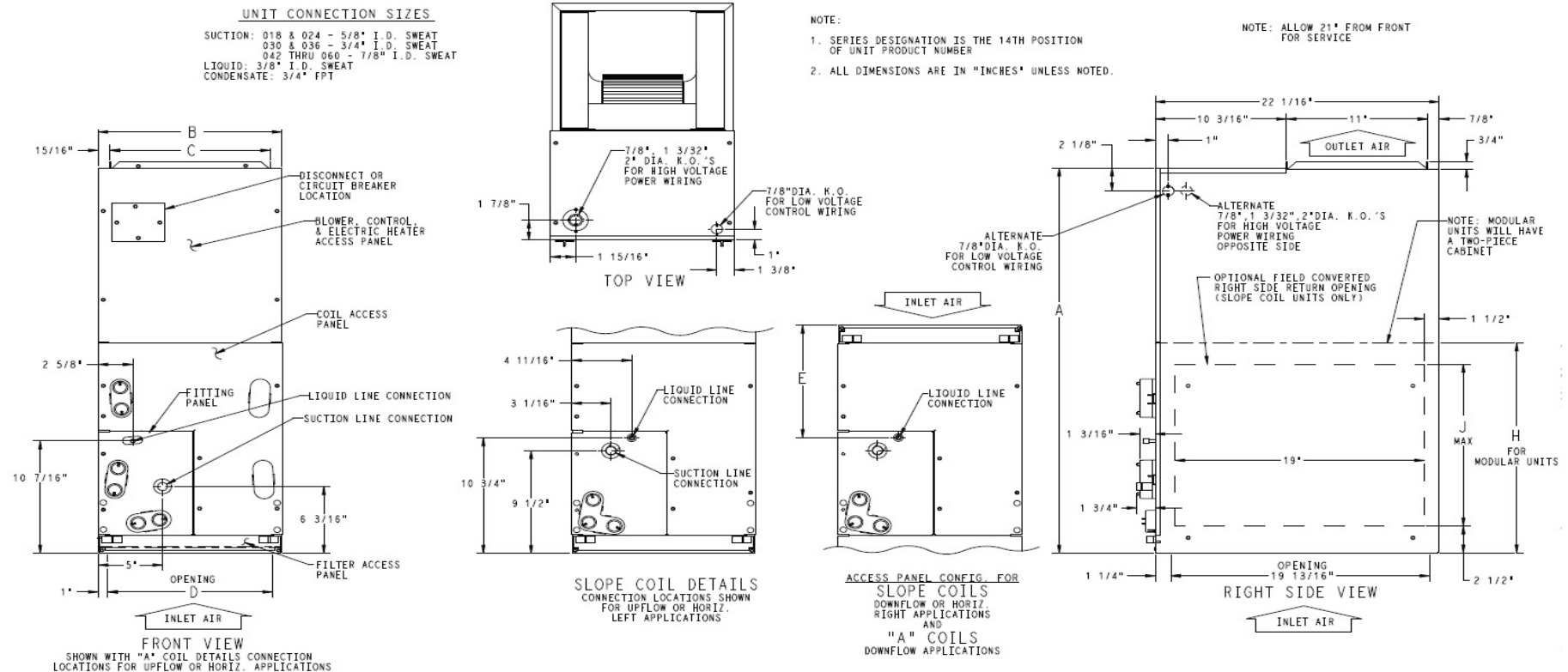
Dimensions										
A	B	C	D	E	F	G	H	I	J	K
31.19 in	32.06 in	0.88 in	6.56 in	24.69 in	9.13 in	0.31 in	3.00 in	13.75 in	14.50 in	15.25 in

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For 4T

Project: 25-BT-075 - Thermo - Noresco Kay Gaither
Prepared By:

03/18/2025



Indoor Coil

Unit Model:.....**FJ5A**
Unit Size:.....**48,000 Btuh (Size 48)**
Voltage:.....**208-1-60** V-Ph-Hz
Cabinet Insulation:**Singular, TXV/ 21 Inches Cabinet**
PartNumber:.....**FJ5ANXC48L00**

Dimensions and Weights		Indoor Coil
Height		53.44 in
Width		21.13 in
Length		22.06 in
Shipping Weight		182. lb

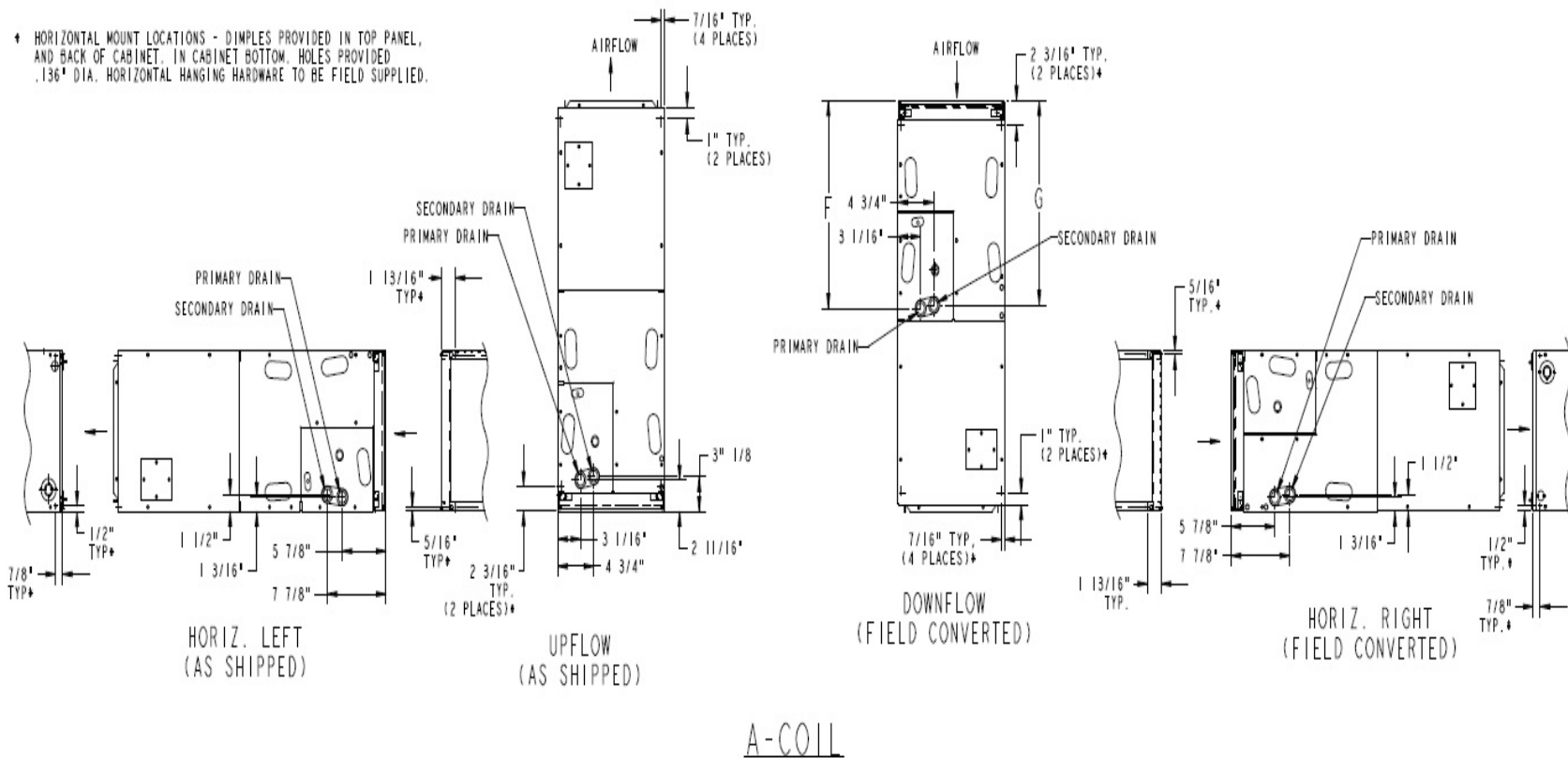
Dimensions								
A	B	C	D	E	F	G	H	J
53.44 in	21.13 in	19.25 in	19.13 in	19.50 in	27.25 in	26.94 in	--	--

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For 4T

Project: 25-BT-075 - Thermo - Noresco Kay Gaither
Prepared By:

03/18/2025



Indoor Coil

Unit Model:.....FJ5A
 Unit Size:.....48,000 Btuh (Size 48)
 Voltage:.....208-1-60 V-Ph-Hz
 PartNumber:.....FJ5ANXC48L00

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.



SUBMITTAL

Project

25-BT-077 - Thermo Air - NORESKO Hollywood Fire

Date

Wednesday, March 19, 2025

Table Of Contents

Project: 25-BT-077 - Thermo Air - NORESO Hollywood Fire

03/20/2025

Prepared By:

5 Ton	3
Unit Report	4
Performance Summary	6
System Parameters	6
Electrical Data	6
Acoustic Summary	7
Certified Drawing	8
3.5 Ton	11
Unit Report	12
Performance Summary	14
System Parameters	14
Electrical Data	14
Acoustic Summary	15
Certified Drawing	16

5 Ton

Project: 25-BT-077 - Thermo Air - NORESO Hollywood Fire
Prepared By:

03/20/2025

5 Ton

**Submittal Cover Sheet
Unit Report
Performance Summary Report
Acoustic Summary
Certified Drawings**

Unit Report For 5 Ton

Project: 25-BT-077 - Thermo Air - NORESKO Hollywood Fire
Prepared By:

03/20/2025



Outdoor Unit Parameters

Unit Model:.....26SPA
Unit Size:.....5 Tons (Size 60)
Voltage:.....208/230-1-60 V-Ph-Hz

Indoor Coil Parameters

Unit Model:.....FJ5A
Unit Size:.....60,000 Btuh (Size 60)
Voltage:.....208-1-60 V-Ph-Hz
Refrigerant Type:.....C
Heating Size:.....No Heat

Outdoor Unit Dimensions and Weight

Unit Length:.....31.1875 in
Unit Width:.....31.1875 in
Unit Height:.....38.875 in
Unit Shipping Weight:.....216. lb

Indoor Coil Dimensions and Weight

Unit Length:.....22.0625 in
Unit Width:.....24.6875 in
Unit Height:.....59.1875 in
Unit Shipping Weight:.....

Part Number	Description	Quantity
Outdoor Unit		
26SPA660W003	Performance Single Stage Air Conditioner with Puron Advance 5 Tons Cooling 16 SEER @ ARI Conditions	1
Indoor Coil		
FJ5ANXD60L00	FJ5A Comfort Series Fan Coil with Puron Advance (R-454B) Refrigerant 60000 BTU Cooling 208/230-1-60 Singular, TXV/ 24 Inches Cabinet Aluminum	1
Accessories		
KFFE0801N08	8 KW-NON FUSED for Indoor Unit	

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product

Performance Summary For 5 Ton

Project: 25-BT-077 - Thermo Air - NORESKO Hollywood Fire
Prepared By:

03/20/2025

System Performance

System:	26SPA/FJ5A	Actual Clg Airflow:.....	1850.0	CFM
System Quantity:.....	1	Standard Clg Airflow:.....	1850.0	CFM
Altitude:.....	0.0 ft	Total Net Clg Capacity:.....	59.46	MBH
Linear Pipe Length:.....	0.0 ft	Net Sensible Clg Capacity:.....	44.74	MBH
SEER @ ARI Conditions:.....	16.0	Total System Power:.....	4.60	kW
EER @ ARI Conditions:.....	13.0			

System Parameters

Outdoor Unit Parameters

Unit Model:.....	26SPA660W003
Unit Size (Nominal):.....	5 Tons (Size 60)
Voltage:.....	208/230-1-60 V-Ph-Hz
Clg Ent Air DB Ambient:.....	95.0 °F

Indoor Coil Parameters

Unit Model:.....	FJ5ANXD60L00
Unit Size (Nominal):.....	60,000 Btuh (Size 60)
Voltage:.....	208-1-60 V-Ph-Hz
Ent Air DB:.....	80.00 °F
Ent Air WB:.....	67.00 °F
Ent Enthalpy:.....	31.44 BTU/lb
Lvg Air DB:.....	57.61 °F
Lvg Air WB:.....	56.84 °F
Lvg Enthalpy:.....	24.30 BTU/lb
Heating Size (Nominal):.....	No Heat
Total External Static Pressure:.....	0.50 in wg

Electrical Data

Outdoor Electrical Data

Unit Voltage:.....	208/230-1-60 V-Ph-Hz
Fan Motor FLA:.....	1.40 Amps
MCA:.....	31.1 Amps
Max Fuse:.....	50 Amps
Operating Range Min:.....	197 V
Operating Range Max:.....	253 V
Compressor RLA:.....	23.7 Amps
Compressor LRA:.....	157.0 Amps

Indoor Electrical Data

Unit Voltage:.....	208-1-60 V-Ph-Hz
Motor HP:.....	3/4 HP
Motor FLA:.....	6.1 Amps

Accessory Electric Heater Data

EH Part Number:.....	KFFE0801N08
Electric Heater kW:.....	6.0 kW
For 2 wire operation (single circuit):	
Heater Amps:.....	28.5 Amps
Heater + Motor MCA:.....	42.8 Amps
Heater + Motor MOCP:.....	45 Amps
Accessory Voltage:.....	208-1-60 V-Ph-Hz

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Acoustic Summary For 5 Ton

Project: 25-BT-077 - Thermo Air - NORESKO Hollywood Fire
Prepared By:

03/20/2025

Outdoor Unit Parameters:

Unit Model:.....26SPA
Unit Size:.....5 Tons (Size 60)
Variations:.....Standard

Octave Band Center Frequency, Hz	125	250	500	1k	2k	4k	8k	dBA
Sound Power,dB	60.0	64.0	69.0	71.0	66.0	64.0	65.0	
A-Weighted Sound Power, dBA								75.0

Indoor Coil Parameters:

Unit Model:.....FJ5A
Unit Size:.....60,000 Btuh (Size 60)

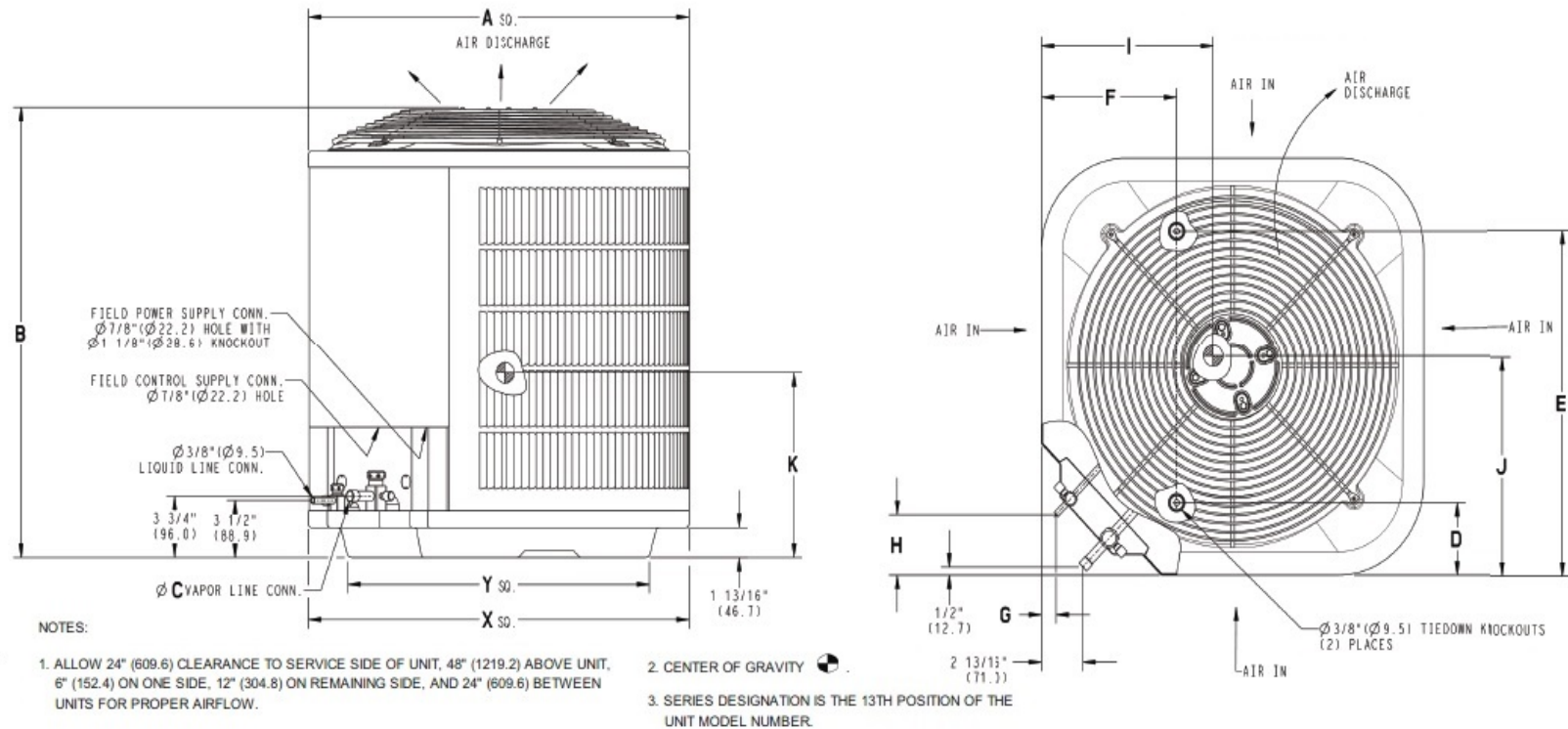
Octave Band Center Frequency, Hz	63	125	250	500	1k	2k	4k
Sound Power,dB	76.0	72.0	68.0	65.0	63.0	61.0	57.0

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For 5 Ton

Project: 25-BT-077 - Thermo Air - NORESKO Hollywood Fire
Prepared By:

03/20/2025



Outdoor Model

Unit Model: **26SPA**
 Unit Size: **5 Tons (Size 60)**
 Voltage: **208/230-1-60** V-Ph-Hz
 SEER: **16**
 PartNumber: **26SPA660W003**

Shipping Dimensions and Weights	Outdoor Unit
Height	43.25 in
Width	34.25 in
Length	34.25 in
Operating Weight	196. lb
Shipping Weight	216. lb

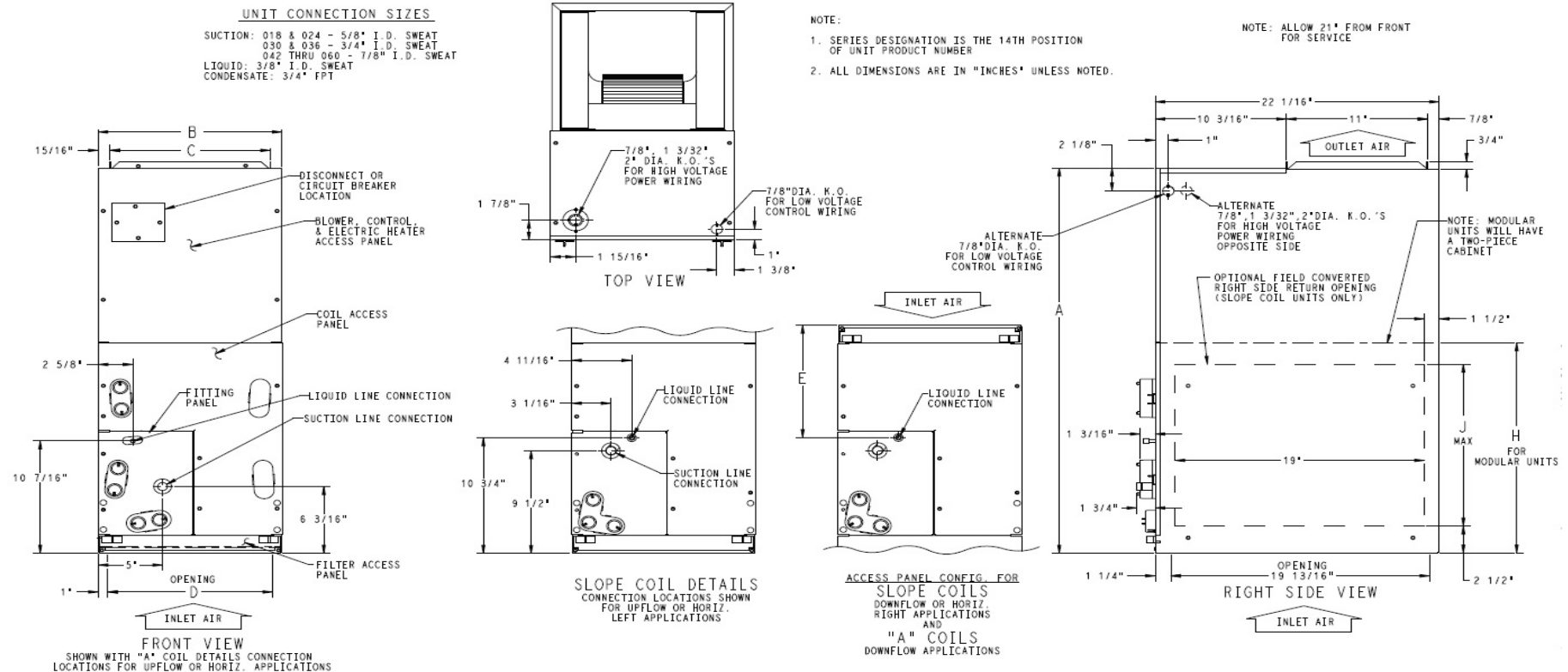
Dimensions										
A	B	C	D	E	F	G	H	I	J	K
31.19 in	38.88 in	0.88 in	6.56 in	24.69 in	9.13 in	0.31 in	3.00 in	15.75 in	16.50 in	19.25 in

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For 5 Ton

Project: 25-BT-077 - Thermo Air - NORESKO Hollywood Fire
Prepared By:

03/20/2025



Indoor Coil

Unit Model:.....**FJ5A**
Unit Size:.....**60,000 Btuh (Size 60)**
Voltage:.....**208-1-60** V-Ph-Hz
Cabinet Insulation:**Singular, TXV/ 24 Inches Cabinet**
PartNumber:.....**FJ5ANXD60L00**

Dimensions and Weights		Indoor Coil
Height		59.19 in
Width		24.69 in
Length		22.06 in
Shipping Weight		210. lb

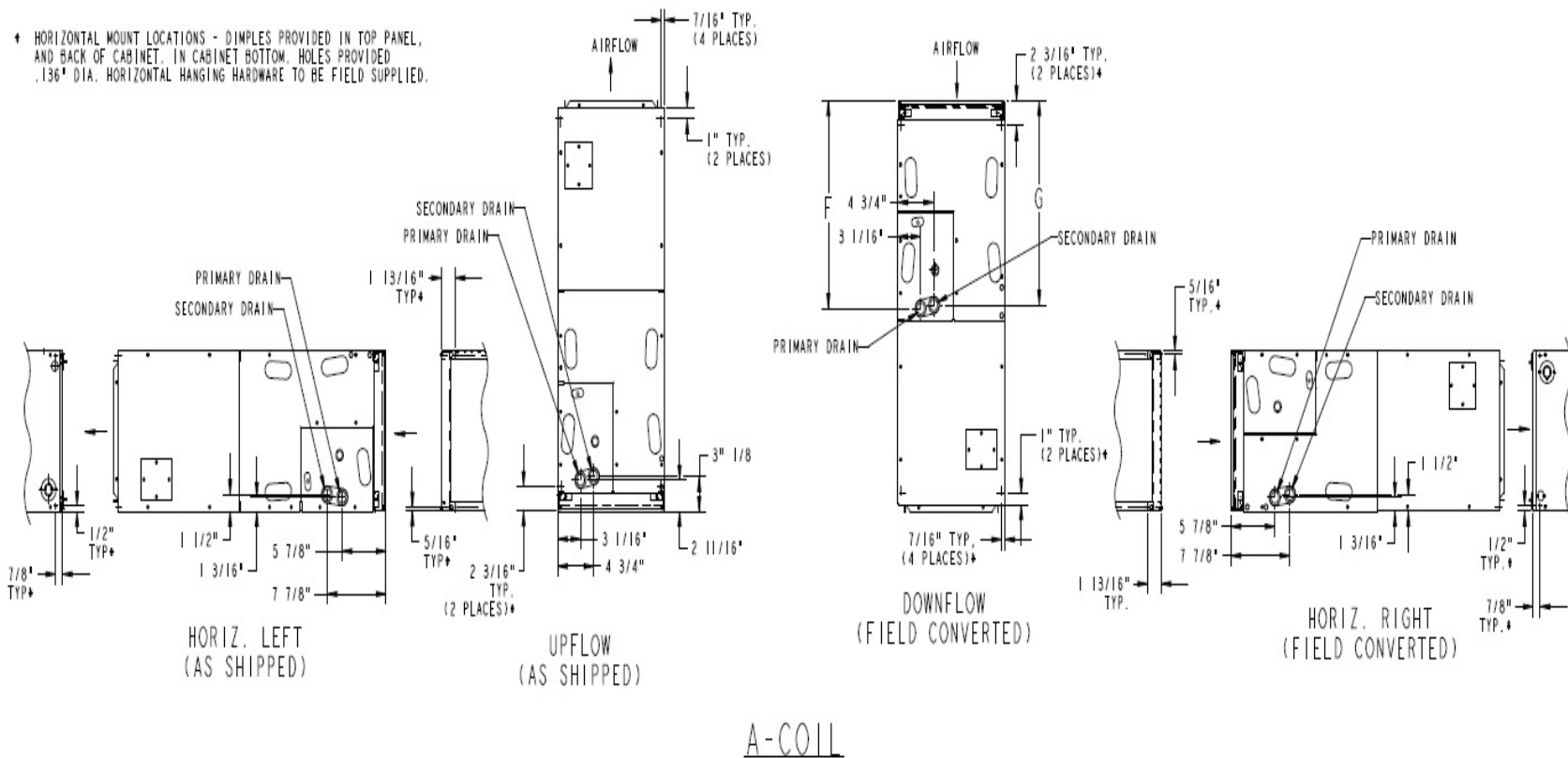
Dimensions								
A	B	C	D	E	F	G	H	J
59.19 in	24.69 in	22.75 in	22.69 in	25.25 in	32.94 in	32.63 in	--	--

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For 5 Ton

Project: 25-BT-077 - Thermo Air - NORESKO Hollywood Fire
Prepared By:

03/20/2025



Indoor Coil

Unit Model:.....FJ5A
 Unit Size:.....60,000 Btuh (Size 60)
 Voltage:.....208-1-60 V-Ph-Hz
 PartNumber:.....FJ5ANXD60L00

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

3.5 Ton

Project: 25-BT-077 - Thermo Air - NORESCO Hollywood Fire
Prepared By:

03/20/2025

3.5 Ton

**Submittal Cover Sheet
Unit Report
Performance Summary Report
Acoustic Summary
Certified Drawings**

Unit Report For 3.5 Ton

Project: 25-BT-077 - Thermo Air - NORESCO Hollywood Fire
Prepared By:

03/20/2025



Outdoor Unit Parameters

Unit Model:.....26SPA
Unit Size:.....3.5 Tons (Size 42)
Voltage:.....208/230-1-60 V-Ph-Hz

Indoor Coil Parameters

Unit Model:.....FJ5A
Unit Size:.....42,000 Btuh (Size 42)
Voltage:.....208-1-60 V-Ph-Hz
Refrigerant Type:.....C
Heating Size:.....No Heat

Outdoor Unit Dimensions and Weight

Unit Length:.....31.1875 in
Unit Width:.....31.1875 in
Unit Height:.....38.875 in
Unit Shipping Weight:.....216. lb

Indoor Coil Dimensions and Weight

Unit Length:.....22.0625 in
Unit Width:.....21.125 in
Unit Height:.....49.625 in
Unit Shipping Weight:.....

Part Number	Description	Quantity
Outdoor Unit		
26SPA642W003	Performance Single Stage Air Conditioner with Puron Advance 4 Tons Cooling 16 SEER @ ARI Conditions	1
Indoor Coil		
FJ5ANXC42L00	FJ5A Comfort Series Fan Coil with Puron Advance (R-454B) Refrigerant 42000 BTU Cooling 208/230-1-60 Singular, TXV/ 21 Inches Cabinet Aluminum	1
Accessories		
KFFE0501N05	5 KW-NON FUSED for Indoor Unit	

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product

Performance Summary For 3.5 Ton

Project: 25-BT-077 - Thermo Air - NORESKO Hollywood Fire
Prepared By:

03/20/2025

System Performance

System: 26SPA/FJ5A System Quantity:..... 1 Altitude:..... 0.0 ft Linear Pipe Length:..... 0.0 ft SEER @ ARI Conditions:..... 15.5 EER @ ARI Conditions:..... 13.0	Actual Clg Airflow:..... 1500.0 CFM Standard Clg Airflow:..... 1500.0 CFM Total Net Clg Capacity:..... 42.66 MBH Net Sensible Clg Capacity:..... 33.09 MBH Total System Power:..... 3.32 kW
---	--

System Parameters

Outdoor Unit Parameters

Unit Model:.....**26SPA642W003**
 Unit Size (Nominal):.....**3.5 Tons (Size 42)**
 Voltage:.....**208/230-1-60** V-Ph-Hz
 Clg Ent Air DB Ambient:.....**95.0** °F

Indoor Coil Parameters

Unit Model:.....**FJ5ANXC42L00**
 Unit Size (Nominal):.....**42,000 Btuh (Size 42)**
 Voltage:.....**208-1-60** V-Ph-Hz
 Ent Air DB:.....**80.00** °F
 Ent Air WB:.....**67.00** °F
 Ent Enthalpy:.....**31.44** BTU/lb
 Lvg Air DB:.....**59.57** °F
 Lvg Air WB:.....**58.13** °F
 Lvg Enthalpy:.....**25.12** BTU/lb
 Heating Size (Nominal):.....**No Heat**
 Total External Static Pressure:.....**0.50** in wg

Electrical Data

Outdoor Electrical Data

Unit Voltage:.....**208/230-1-60** V-Ph-Hz
 Fan Motor FLA:.....**1.52** Amps
 MCA:.....**22.7** Amps
 Max Fuse:.....**40** Amps
 Operating Range Min:.....**197** V
 Operating Range Max:.....**253** V
 Compressor RLA:.....**17.3** Amps
 Compressor LRA:.....**123.0** Amps

Indoor Electrical Data

Unit Voltage:.....**208-1-60** V-Ph-Hz
 Motor HP:.....**1/2** HP
 Motor FLA:.....**4.2** Amps

Accessory Electric Heater Data

EH Part Number:.....**KFFE0501N05**
 Electric Heater kW:.....**3.8** kW
For 2 wire operation (single circuit):
 Heater Amps:.....**17.8** Amps
 Heater + Motor MCA:.....**27.3** Amps
 Heater + Motor MOCP:.....**30** Amps
 Accessory Voltage:.....**208-1-60** V-Ph-Hz

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Acoustic Summary For 3.5 Ton

Project: 25-BT-077 - Thermo Air - NORESKO Hollywood Fire
Prepared By:

03/20/2025

Outdoor Unit Parameters:

Unit Model:.....26SPA
Unit Size:.....3.5 Tons (Size 42)
Variations:.....Standard

Octave Band Center Frequency, Hz	125	250	500	1k	2k	4k	8k	dBA
Sound Power,dB	56.0	62.0	67.0	72.0	66.0	64.0	60.0	
A-Weighted Sound Power, dBA								75.0

Indoor Coil Parameters:

Unit Model:.....FJ5A
Unit Size:.....42,000 Btuh (Size 42)

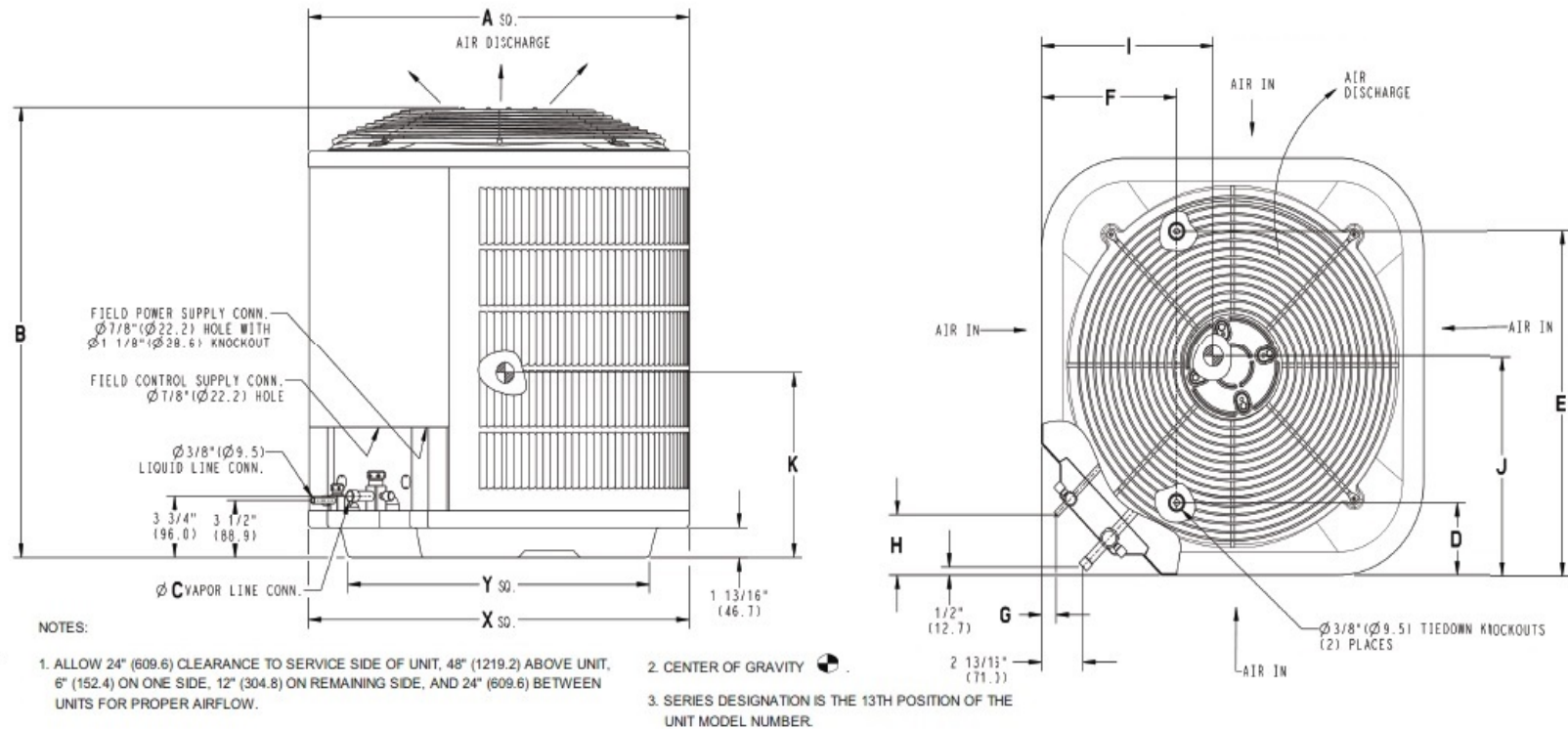
Octave Band Center Frequency, Hz	63	125	250	500	1k	2k	4k
Sound Power,dB	74.4	70.4	66.4	63.4	61.4	59.4	55.4

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For 3.5 Ton

Project: 25-BT-077 - Thermo Air - NORESO Hollywood Fire
Prepared By:

03/20/2025



Outdoor Model

Unit Model: **26SPA**
 Unit Size: **3.5 Tons (Size 42)**
 Voltage: **208/230-1-60** V-Ph-Hz
 SEER: **16**
 PartNumber: **26SPA642W003**

Shipping Dimensions and Weights	Outdoor Unit
Height	43.25 in
Width	34.25 in
Length	34.25 in
Operating Weight	196. lb
Shipping Weight	216. lb

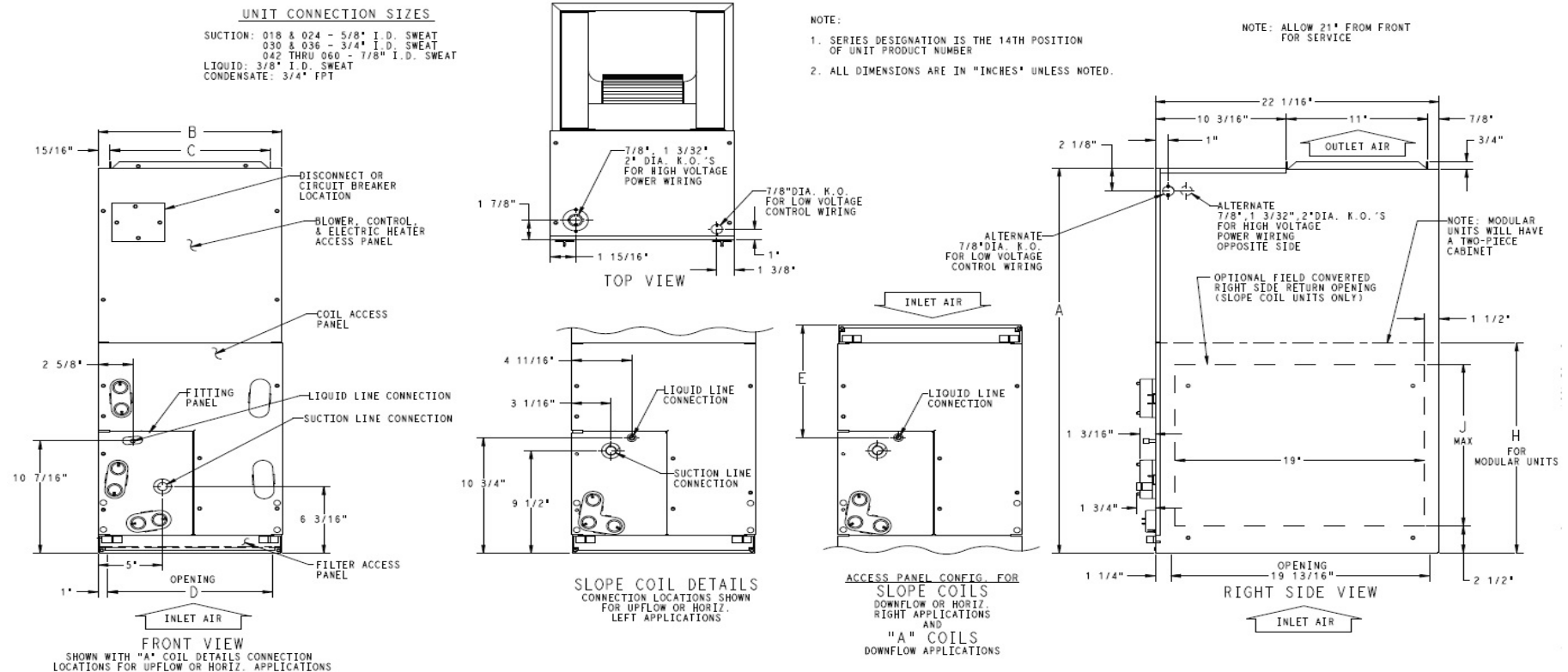
Dimensions										
A	B	C	D	E	F	G	H	I	J	K
31.19 in	38.88 in	0.88 in	6.56 in	24.69 in	9.13 in	0.31 in	3.00 in	15.75 in	17.25 in	19.00 in

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For 3.5 Ton

Project: 25-BT-077 - Thermo Air - NORESKO Hollywood Fire
Prepared By:

03/20/2025



Indoor Coil

Unit Model:.....**FJ5A**
Unit Size:.....**42,000 Btuh (Size 42)**
Voltage:.....**208-1-60** V-Ph-Hz
Cabinet Insulation:**Singular, TXV/ 21 Inches Cabinet**
PartNumber:.....**FJ5ANXC42L00**

Dimensions and Weights		Indoor Coil
Height		49.63 in
Width		21.13 in
Length		22.06 in
Shipping Weight		166. lb

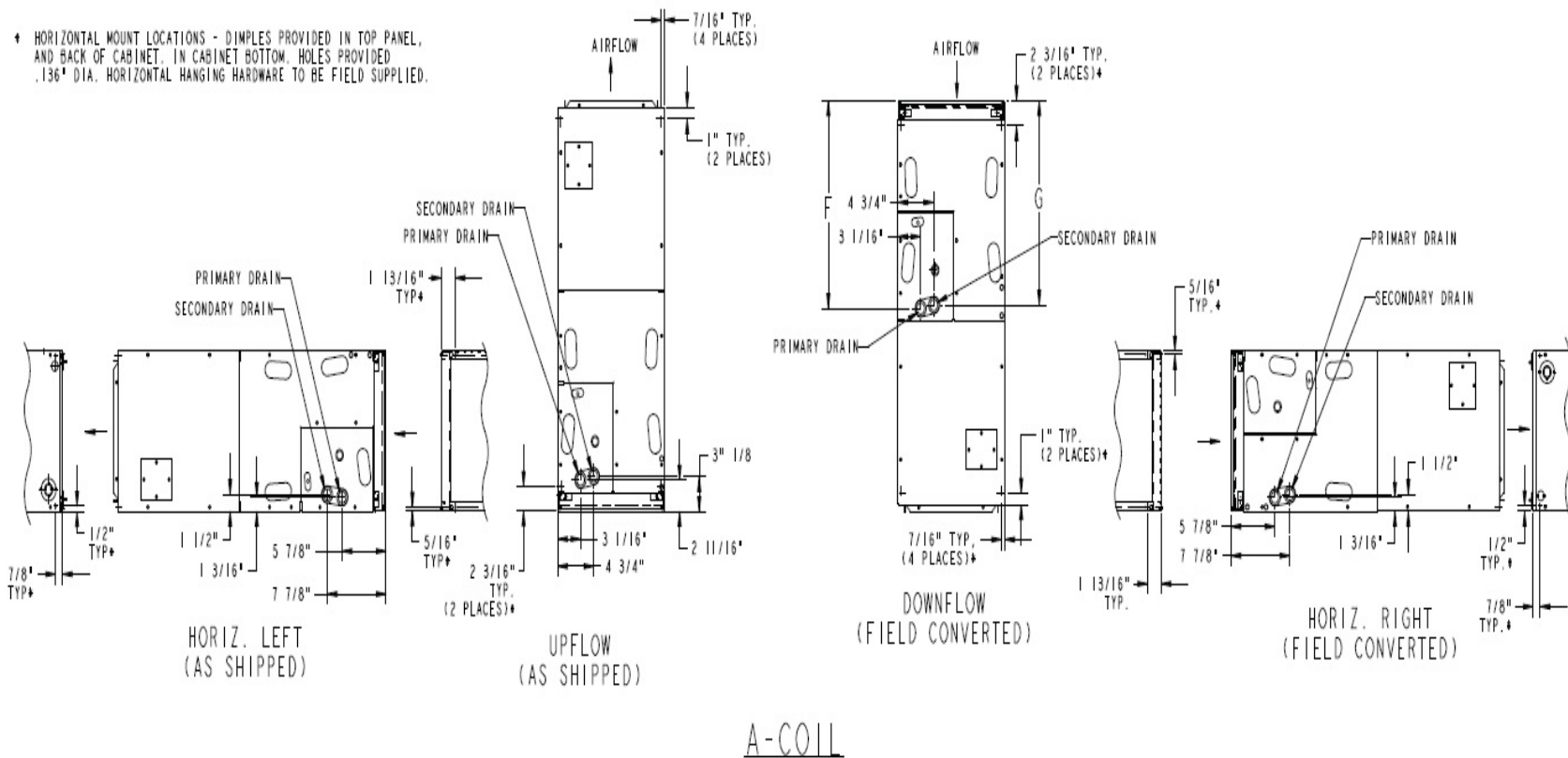
Dimensions								
A	B	C	D	E	F	G	H	J
49.63 in	21.13 in	19.25 in	19.13 in	15.69 in	23.44 in	23.13 in	--	--

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Certified Drawing For 3.5 Ton

Project: 25-BT-077 - Thermo Air - NORESKO Hollywood Fire
Prepared By:

03/20/2025



Indoor Coil

Unit Model:.....FJ5A
 Unit Size:.....42,000 Btuh (Size 42)
 Voltage:.....208-1-60 V-Ph-Hz
 PartNumber:.....FJ5ANXC42L00

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.