

# Project Scope...

#### **EXISTING MH Fixtures**

Fixtures: ...... Cooper MHSS-W-400-277V Lamp: ..... Sylvania 400watt (M59-S)

Number of Fixtures..... 24

Total Wattage: ........... 9,600 watts

On-Demand Use ......... 13 hr/day x 300 days/yr (3,900 hrs/yr)

#### **REPLACEMENT Silescent Fixtures**

Replacement Fixture: .. Silescent 200w High Bay LED Fixture

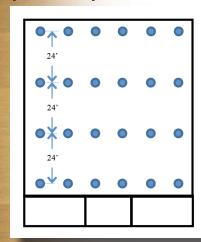
Wattage: ...... 200 watts/fixture Number of Fixtures: .... Qty 24 pendant mount

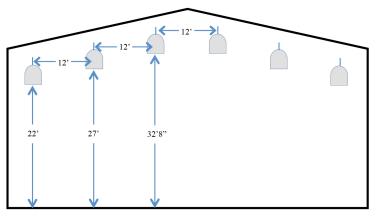
Total Wattage: ..... 4,800 watts

On-Demand Use\*....... 8 hr/day x 300 days/yr (2,400 hrs/yr)

\*reflects instant on/off capability of Silescent High Bay LED fixture

### **Gymnasium Layout**





**Gymnasium Plan View** 

**Gymnasium Building Section** 

# Summary of Savings...

### **Energy Savings:**

### **At Equal Usage:**

Energy Savings: (400w-200w) x 24 x 13 hrs/day x 300 days/yr x \$.15/1,000watts = .....\$2,808/yr

**Additional Savings for Instant ON/OFF use:** 

Energy Savings: (400w-200w) x 24 x (13-8) hrs/day x 300 days/yr x \$.15/1,000watts = ......\$1,080/yr

**Additional Savings for HVAC Cost Reductions:** 

**Energy Savings**: 30% savings (est.) of energy used to be realized from A/C = .....\$600/yr **TOTAL Energy Savings**: \$2,808/yr + \$1,080/yr + \$600/yr = .....\$4,488/yr

Maintenance Savings\*: Annual re-lamping of 24 fixtures with scissor lift for access and two maintenance personnel.

Maintenance: 24 fixtures x \$15/bulb + \$350 lift rental \_ 8 hrs x 2 staff x \$30/hr = ......\$1,200/yr \*All replacement parts and labor costs provided by Miami Country Day School, Facilities Manager.

**TOTAL SAVINGS:** \$4,488 (energy) + \$1,200 (maintenance)  $\approx$  \$5,688/year (\$237.00/year/fixture)

### Additional Benefits...

- Instant on/off events start on time, end on time;
- Full spectrum array based led improves visual acuity for all events
- Wide dispersion beam spread provides even illumination throughout facility, eliminates dark shadows;
- Extra-long 100,000 life rating maintenance free operation;
- Leasing options available to qualified purchasers.



Fort Lauderdale, FL 33315

954.766.8448 877.766.8448 Fax: 954.206.0071 www.silescent.com



