4 1/2" DIA. POLE

TOP VIEW

3 3/8" ARC @ 86°

POLE CAP
(DOME TYPE)

FOUR 1/4" - 20 STAINLESS STEEL HEX HEAD BOLTS

1 1/4" DIA. HOLE

9/16" DIA. HOLES
(TYPICAL OF 4)

LUMINAIRE ARM CONNECTION
BOLT CIRCLE IS 7.0"

ITEM  STOCK NO  QUANTITY  DESCRIPTION
---  -------  ------  ----------------------------------
1    10610002  1      STANDARD, ALUMINUM, 30' w/8' ARM
2    10610008  1      STANDARD, ALUMINUM, 40' w/8' ARM
3    10610003  1      STANDARD, ALUMINUM, 30' w/2-8' ARMS
4    10610023  1      STANDARD, ALUMINUM, 40' w/2-8' ARMS

LAFAYETTE UTILITIES SYSTEM
ENGINEERING DIVISION

POLE CAP &
LUMINAIRE ARM CONNECTION

DWG. NO.  SLA-1(B)

DATE: MAY 26, 1990  APPROVED:
<table>
<thead>
<tr>
<th>ITEM</th>
<th>STOCK NO</th>
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<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
<td>10610102</td>
<td>1</td>
<td>POLE</td>
</tr>
<tr>
<td>2</td>
<td>10610101</td>
<td>1</td>
<td>LUMINAIRE, 150W, 240V, H.P. SODIUM</td>
</tr>
</tbody>
</table>

LAFAYETTE
UTILITIES SYSTEM

ENGINEERING DIVISION

STREET LIGHT
STANDARD, FIBERGLASS
14’ MOUNTING HEIGHT

DATE: FEB. 1, 1993
REVISION: OCT. 27, 2005
APPROVED:

DWG. NO.
SLD-15F
<table>
<thead>
<tr>
<th>ITEM</th>
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<th>DESCRIPTION</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>10610102</td>
<td>1</td>
<td>STANDARD, DECORATIVE, D.B., 14'</td>
</tr>
<tr>
<td>2</td>
<td>10610101</td>
<td>2</td>
<td>LUMINAIRE, DECORATIVE, 150W, H.P. SODIUM</td>
</tr>
<tr>
<td>3</td>
<td>10610104</td>
<td>1</td>
<td>BRACKET, DOUBLE, DECORATIVE</td>
</tr>
</tbody>
</table>

**LAFAYETTE UTILITIES SYSTEM**

**ENGINEERING DIVISION**

**DECORATIVE STANDARD & DOUBLE LUMINAIRE, FIBERGLASS**

**15’ MOUNTING HEIGHT**

**TENON TOP**

**DRAWING NUMBER**

SLD-15FD
decorative standard & double luminaire, fiberglass, 15' mounting height, tenon top

lafayette utilities system
dergineering division

item | stock no | quantity | description
---|---|---|---
1 | 10610108 | 1 | standard decorative (ii), d.b., 18'
2 | 10610109 | 1 | luminaire, decorative (ii), 150w, h.p. sodium

final same finish as pole
house side shield

A753 16 1/2" x 28" acrylic acorn

Type 2 refractorized acrylic bottom

ballast compartment .250 wall thickness

photocell (120 volts)

18'

5" to 3" dia. tapered pole
6063-t6 structural grade aluminum

pole welded for single unit construction

24'

.500 to .188 wall thickness

stainless steel set screws

access door with cover and stainless steel allen head screws

10" square slip over base one ground lug

2" wide by 4" high wireway inside of access door ground lug inside of access door, per detail

7/8" dia. by 12" long anti-rotation rod

5" dia. by 48" long burial shaft

slp—rr1
<table>
<thead>
<tr>
<th>ITEM</th>
<th>STOCK NO</th>
<th>QUANTITY</th>
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<tbody>
<tr>
<td>1</td>
<td>10610109</td>
<td>2</td>
<td>LUMINAIRE, DECORATIVE, (II), 150 WATT H.P.S.</td>
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<tr>
<td>2</td>
<td>10610112</td>
<td>1</td>
<td>STANDARD, DECORATIVE (II), D.B., 18', TWIN LUMINAIRE</td>
</tr>
<tr>
<td>3</td>
<td>10610113</td>
<td>2</td>
<td>BRACKET, DOUBLE, DECORATIVE (II)</td>
</tr>
</tbody>
</table>

LAFAYETTE UTILITIES SYSTEM

ENGINEERING DIVISION

DECORATIVE STANDARD & DOUBLE LUMINAIRE, FIBERGLASS, 15' MOUNTING HEIGHT, TENON TOP

SLP-RR2
### Table

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<tbody>
<tr>
<td>1</td>
<td>10608003</td>
<td>1</td>
<td>BRACKET, STREET, 6', WOOD POLE</td>
</tr>
<tr>
<td>2</td>
<td>10609102</td>
<td>1</td>
<td>LUMINAIRE, HPS, 150 WATT, 240V</td>
</tr>
<tr>
<td>3</td>
<td>10605010</td>
<td>1</td>
<td>PHOTOCELL, 1000 WATT</td>
</tr>
<tr>
<td>*</td>
<td>10609004</td>
<td>1</td>
<td>LUMINAIRE, HPS, 250 WATT, 240V</td>
</tr>
<tr>
<td>*</td>
<td>10610009</td>
<td>1</td>
<td>LUMINAIRE, HPS, 400 WATT, 240V</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>* OPTIONAL</td>
</tr>
</tbody>
</table>

### Diagram

- **LUMINAIRE 150W H.P.S., 240V**
- **DISTRIBUTION POLE**

### Optional

1. LUMINAIRE, H.P.S., 250 WATT, 240V
2. LUMINAIRE, H.P.S., 400 WATT, 240V

**LAFAYETTE UTILITIES SYSTEM**

**ENGINEERING DIVISION**

TYPICAL DISTRIBUTION POLEMOUNT, LUMINAIRE AND 8' BRACKET

**DWG. NO.** DPSL-8
<table>
<thead>
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<tbody>
<tr>
<td>1</td>
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<td>1</td>
<td>STANDARD, FIBERGLASS, 21', D.B.</td>
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<tr>
<td>2</td>
<td>10608016</td>
<td>1</td>
<td>BRACKET, STREET LIGHT, 6', AL OR FBGL POLE</td>
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<tr>
<td>3</td>
<td>10609102</td>
<td>1</td>
<td>LUMINAIRE, 150 WATT, 240V, H.P.S.</td>
</tr>
<tr>
<td>4</td>
<td>10605010</td>
<td>1</td>
<td>PHOTCELL, 1000 WATT</td>
</tr>
</tbody>
</table>

LAFAYETTE
UTILITIES SYSTEM

ENGINEERING DIVISION

STREET LIGHT
STANDARD, FIBERGLASS
21' MOUNTING HEIGHT

SLP-21F
NOTE: GROUND WIRE (GREEN) IS BONDED TO THE GROUND ROD, ONLY.
8' ARM (TYP)  
(2' UPSWEEP)

28' POLE  
30' MTG. HT.

4" x 8" HANDHOLE
BREAKAWAY COUPLINGS AND SKIRT
GRADE
CURB

MIN. DIST. SIX FEET

<table>
<thead>
<tr>
<th>ITEM</th>
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<th>QUANTITY</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
<td>10610002</td>
<td>1</td>
<td>STANDARD, ALUMINUM, 30' w/8' ARM</td>
</tr>
<tr>
<td>*</td>
<td>10607005</td>
<td>1</td>
<td>LAMP, H. P. SODIUM, 400 WATT</td>
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<tr>
<td>*</td>
<td>10607003</td>
<td>1</td>
<td>LAMP, H. P. SODIUM, 250 WATT</td>
</tr>
<tr>
<td>*</td>
<td>10605010</td>
<td>1</td>
<td>PHOTOCELL, 1000 WATT</td>
</tr>
<tr>
<td>*</td>
<td>10610009</td>
<td>1</td>
<td>LUMINAIRE, HPS, 400 WATT, 240V</td>
</tr>
<tr>
<td>*</td>
<td>10609004</td>
<td>1</td>
<td>LUMINAIRE, HPS, 250 WATT, 240V</td>
</tr>
<tr>
<td>*</td>
<td>10609020</td>
<td>1</td>
<td>L.E.D. COBRA HEAD, 250 WATT EQ.</td>
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</tbody>
</table>
8' ARM (TYP) (2' UPSWEEP)

28' POLE  30' MTG. HT.

4" x 8" HANDHOLE
BREAKAWAY COUPLINGS AND SKIRT
GRADE
CURB
MIN. DIST. SIX FEET

ITEM   STOCK NO  QUANTITY  DESCRIPTION
---    --------  --------  ------------------
1      10610003  1        STANDARD, ALUMINUM, 30' w/2-8' ARMS
*      10607005  2        LAMP, SODIUM, 400 WATT
*      10607003  2        LAMP, SODIUM, 250 WATT
*      10605010  2        PHOTOCELL, 1000 WATT
*      10610009  1        LUMINAIRE, HPS, 400 WATT, 240V
*      10609004  1        LUMINAIRE, HPS, 250 WATT, 240V
*      10609020  1        L.E.D. COBRA HEAD, 250 WATT E.Q.

LAFAYETTE UTILITIES SYSTEM
ENGINEERING DIVISION

TYPICAL 30 FT AL STANDARD WITH 2 - 8' ARMS

DWG. NO. SLA30-2-8

DATE: 11/13/2002  SCALE: 1/8" = 1'-0"
DRAWN BY: D.O.  CHECKED: 11/20/2002
REVISION: 02/14/2019  APPROVED: 02/14/2019

010-611A
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1</td>
<td>10610008</td>
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<td>STANDARD, ALUMINUM, 40' w/8' ARM</td>
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<td>*</td>
<td>10607005</td>
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<td>LAMP, H. P. SODIUM, 400 WATT</td>
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<td>10607003</td>
<td>1</td>
<td>LAMP, H. P. SODIUM, 250 WATT</td>
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<tr>
<td>*</td>
<td>10605010</td>
<td>1</td>
<td>PHOTOCELL, 1000 WATT</td>
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<tr>
<td>*</td>
<td>10610009</td>
<td>1</td>
<td>LUMINAIRE, HPS, 400W, 240V</td>
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<td>*</td>
<td>10609004</td>
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<td>*</td>
<td>10609020</td>
<td>1</td>
<td>L.E.D. COBRA HEAD, 250 WATT E.Q.</td>
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**LAFAYETTE UTILITIES SYSTEM ENGINEERING DIVISION**

**TYPICAL 40 FT AL STANDARD WITH 8' ARM**

**DWG. NO.**

SLA40–1–8
<table>
<thead>
<tr>
<th>ITEM</th>
<th>STOCK NO</th>
<th>QUANTITY</th>
<th>DESCRIPTION</th>
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<tr>
<td>1</td>
<td>10610023</td>
<td>1</td>
<td>STANDARD, ALUMINUM, 40' W/2-8' ARMS</td>
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<tr>
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<td>10607005</td>
<td>1</td>
<td>LAMP, H. P. SODIUM, 400 WATT</td>
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<td>10607003</td>
<td>1</td>
<td>LAMP, H. P. SODIUM, 250WATT</td>
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<tr>
<td>*</td>
<td>10609020</td>
<td>1</td>
<td>L.E.D. COBRA HEAD, 250 WATT E.Q.</td>
</tr>
</tbody>
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**LAFAYETTE UTILITIES SYSTEM**  
**ENGINEERING DIVISION**

**TYPICAL 40 FT AL STANDARD WITH 2 - 8' ARMS**

**DWG. NO.**  
SLA40-2-8

010-611C
FULL APRON

FOUNDATION APRON DETAILS

4" THICK CONCRETE APRON AT EACH FOUNDATION LOCATION, POURED IN CONJUNCTION WITH SIDEWALK CONSTRUCTION AND PAYMENT SHALL BE INCLUDED IN PRICE OF FOUNDATION.
FULL APRON

FOUNDATION APRON DETAILS

4" THICK CONCRETE APRON AT EACH FOUNDATION LOCATION, POURED IN CONJUNCTION WITH SIDEWALK CONSTRUCTION AND PAYMENT SHALL BE INCLUDED IN PRICE OF FOUNDATION.
PARTIAL APRON

FOUNDATION APRON DETAILS

4" THICK CONCRETE APRON AT EACH FOUNDATION LOCATION, POURED IN CONJUNCTION WITH SIDEWALK CONSTRUCTION AND PAYMENT SHALL BE INCLUDED IN PRICE OF FOUNDATION.

LAFAYETTE UTILITIES SYSTEM
ENGINEERING DIVISION

FOUNDATION PARTIAL APRON FOR 30' AL STANDARD

DATE: 11/13/02
APPROVED:

DWG. NO. SLFD--30P

010--605
FOUNDATION APRON DETAILS

4" THICK CONCRETE APRON AT EACH FOUNDATION LOCATION, Poured in conjunction with sidewalk construction and payment shall be included in price of foundation.
GALV. DBL. NUT-ANCHOR BOLT
(SIZE & DIM. TO BE DETERMINED
BY MFR.)

GRADE

LIMITS OF FOUNDATION – APRON
& SIDEWALK TO BE Poured AS
ONE.

END OF ELBOW

BEGIN MEASUREMENT FOR
CONDUIT & CONDUCTORS

2" PVC

BEGIN MEASUREMENT FOR
FOUNDATION

6 x 6 – 6/6 WMM CAGE, LAP 12"
w/5 – No. 5 REBARS (CAGE TO BE
4'-6" LONG).

5/8" x 10" COPPER GROUND ROD

ITEM FOR FOUNDATION INCLUDES
CONDUCTORS IN FOUNDATION AND
4” 6-FOOT OCTAGONAL CONCRETE
APRON.

FOR USE WITH 30’ POLE ONLY

LAFAYETTE
UTILITIES SYSTEM

ENGINEERING DIVISION

30’ LIGHT STANDARD
FOUNDATION

DWG. NO.

SLA-30

DATE: FEB. 20, 2002
APPROVED:

010-607
1'-8' LAP STAGGERED 90°
3" MIN.
2" PVC, SCH. 40
VERT REINF 4-#6 EQUALLY SPACED
GROUND ROD CTR.
2'-0"
DIA

SECTION
A-A

ITEM FOR FOUNDATION INCLUDES CONDUCTORS IN FOUNDATION AND 4' 6-FOOT OCTAGONAL CONCRETE APRON.

NOTES:
1. CONCRETE: 3000 PSI
2. REINFORCING STEEL: GRADE 60 BAR.
3. ANCHOR BOLTS: SUPPLIED W/POLE, VERIFY ANCHOR BOLT PROJECTION W/POLE SUPPLIED.
4. FOR USE WITH THE FOLLOWING 40' STANDARD ALUMINUM LIGHT POLES.
   STOCK 10610008, WITH SINGLE 8' ARM.
   STOCK 10610023, WITH DOUBLE 8' ARMS.
5. FOUNDATION DESIGNED FOR SOFT, MEDIUM AND STIFF CLAY SOILS UNDER BOTH DRY AND SATURATED CONDITIONS, USING VALUES BELOW.

DENSITY (PCF)

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<tr>
<th>SOIL</th>
<th>DRY</th>
<th>SAT</th>
<th>CU (PSF)</th>
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<tbody>
<tr>
<td>SOFT CLAY</td>
<td>100</td>
<td>50</td>
<td>250</td>
</tr>
<tr>
<td>MED CLAY</td>
<td>120</td>
<td>60</td>
<td>750</td>
</tr>
<tr>
<td>STIFF CLAY</td>
<td>140</td>
<td>80</td>
<td>2000</td>
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</tbody>
</table>

TOP 1’ OF SOIL NEGLECTED IN ANALYSIS.
EXISTING POLE

ONE FOOT BELOW BOTTOM OF TRANSFORMER

3 THWN CU. IN GRC (STRAP CONDUITS AT 5’ O.C)

MYERS HUB

120/240V, 1Ø, 3W LOAD CENTER w/ MAIN BREAKER AND FEEDER BREAKERS, NEMA 3R. MOUNT ON GALVANIZED CHANNEL.

SCH. 80 PVC w/ STREET LIGHTING CONDUCTORS & 1 No. 8 GRN (STRAP AT 5’ O.C.)

BEGIN MEASUREMENT FOR CONDUIT & CONDUCTORS

END OF ELBOW

ITEM FOR SERVICE POINT INCLUDES CONDUCTORS INVOLVED IN SERVICE POINT TO ELBOW.

BEGIN MEASURE FOR SERVICE POINT

GRADE

10'-0"

5/8" x 10' COPPER GND. ROD w/ No. 6 BARE CU.

ITEM

STOCK NO

QUANTITY

DESCRIPTION

1

---

1

GRC CLAMP-ON WEATHER HEAD

2

---

LOT

GRC CONDUIT

3

---

LOT

GRC TWO-HOLE CLAMP

4

---

1

LIGHTING CONTROLLER

5

---

LOT

#6 BARE COPPER

6

---

1

5/8" x 10' COPPER GROUND ROD

LAFAYETTE UTILITIES SYSTEM

ENGINEERING DIVISION

DATE: AUGUST 7, 1990

STREET LIGHTING SERVICE POINT

APPROVED:

DWG. NO.

SLA-7

010-608
CAST IRON RING OF VULCAN VM-6 (SET RING FLUSH WITH GRADE OF SIDEWALK SURFACE)

WALLS OF PRECAST BOX

#3 REBAR (TYP)

CASTING MOLD FOOTING

TOP VIEW – HANDHOLE
PROVIDE THREE CONDUITS EVENLY SPACED ALL SIDES
UNUSED CONDUITS TO BE 3" SIZE, STUBBED 24" OUT
& CAPPED. USED CONDUITS TO BE WELL GROUTED.

12 VERTICAL No. 3
REBARS EQUALLY
SPACED

SECTION THROUGH PRECAST BOX
VULCAN FOUNDRY VM-6 24" DIA CAST IRON RING & SOLID COVER MARKED "ELECTRIC".

No. 3 REBAR

RING CASTING MOLD (CONCRETE) (FOR ADJUSTMENT PURPOSES)

8 HORIZONTAL No.3 REBAR EQUALLY SPACED (CONTINUE TO MEET OTHER SIDE)

12 VERTICAL No.3 REBAR

BEGIN MEASUREMENT FOR CONDUITS & CONDUCTORS

1/2" x 8' COPPER RND ROD, GROUND RING TO LUG WITH No.6 BARE CU.

PULLING IRON - INSTALL IN CENTER OF FLOOR

2'-0 1/2"

2'-8 1/2"

ITEM FOR HANDHOLE INCLUDES SLACK OF CONDUCTORS INVOLVED IN HANDHOLE.
1. ALL CONDUIT TO HAVE A MINIMUM COVER OF 30”.

2. CONTRACTOR IS REFERRED TO THE ROADWAY DRAWINGS FOR ALL UNDERGROUND AND OVERHEAD OBSTRUCTIONS NOT SHOWN HERE. CONTRACTOR SHALL BE RESPONSIBLE TO BRING ANY CONFLICTS TO THE ATTENTION OF THE ENGINEER AND SHALL NOT PROCEED WITH THAT PARTICULAR WORK UNTIL DIRECTED BY THE ENGINEER.

3. ALL FOUNDATIONS AND CONDUITS TO BE PLACED WITHIN THE RIGHT-OF-WAY.

4. ALL CONDUCTORS TO BE STRANDED COPPER, 600 VOLT INSULATION. OPERATING VOLTAGE IS 240 VOLT SINGLE-PHASE.

5. ALL CONDUIT TO BE SCHEDULE 40 PVC EXCEPT ACROSS ALL ROADWAYS, IN WHICH CASE CONDUIT TO BE SCHEDULE 80 PVC.

6. ALL CIRCUITS TO HAVE A #8 AWG GREEN COLORED CONDUCTOR (COPPER) FOR A SYSTEM GROUND.

7. ALL HANDHOLES SHALL BE LOCATED APPROXIMATELY IN THE MIDDLE OF THE SIDEWALK, BUT CAN BE LOCATED OTHERWISE IN THE FIELD BY THE ENGINEER. HANDHOLES TO BE FLUSH WITH GRADE.

8. IN REQUIRED HANDHOLES, USE SPLIT-BOLT CONNECTORS WITH SCOTCH CAST #85-12 UNDERGROUND SPLICE KIT.

9. STREET LIGHTING CONDUCTORS ARE MEASURED THE SAME LENGTH AS THE CONDUIT IT ITS PLACED IN BELOW GRADE. CONDUCTORS INVOLVED IN STRUCTURES SHALL BE INCLUDED IN THE PRICE OF THE STRUCTURE.