OS-600 (10-08)

pennsylvania
DEPARTMENT OF TRANSPORTATION
www.dot.state.pa.us

MEMO

DATE: May 12, 2010

SUBJECT: BERKS COUNTY
CITY OF READING
DOWNTOWN READING LIGHTING, MPMS 81360
PROPRIETARY ITEM APPROVAL

TO: Brian G. Thompson, PE, Director
Bureau of Design
Keystone Building, 7th Floor

FROM: Michael W. Rebert, PE
District Executive
Engineering District 5-0

We are providing the following for Proprietary Item Approval.

The above listed project consists of the installation of new pedestrian lighting, upgrades to existing pedestrian lighting, and the installation of street trees along Penn Street between Second Street and Eighth Street in the City of Reading, Berks County.

The items that we seek approval for are:

Cast Iron Lechmere Base; Cast Iron Ivy Base; and Columbia Large Style Luminaire by Spring City Electrical Manufacturing Co. – This request is due to the fact that the City of Reading has chosen this model as a standard for use on their streetscape project. This model is being requested to match the existing lights that have already installed within the City of Reading and to maintain a consistent appearance within the project area. This is in accordance with 23 CFR 635.411.a.2, item is essential for synchronization with existing highway facilities.

See the attached request letters and product specifications for more information.

This request is also to eliminate the Bulletin 15 listing and any shop inspection requirement of Publication 408. The sponsor of the project understands that these products have not been PennDOT pre-approved.

The project is not a Federal oversight project; therefore, it should not be forwarded to FHWA for approval.

The District concurs with this request.

If you have any questions on this matter or require any additional information, please contact Kevin Milnes, PE, Portfolio Manager, at 610-871-4550.

Attachment(s)

Concurrence by: _____ Date: 5/25/10
for Brian G. Thompson, PE
Director of Bureau of Design

050/BLR/jar
717-540-6040
(Bethlehem Elm Street Streetscape Proprietary Letter.doc)

cc: M. C. Keiser, PE / K. E. Milnes, PE
B. L. Rotz / Project File

JLY - OK - 5/24/10.

AA OK 5/24/10

Our City Reading, Inc.

Ms. Brandy Rotz
McCormick Taylor
5 Capital Drive, Suite 400
Harrisburg, PA 17110

RE: Approval for Proprietary Items
City of Reading/Our City Reading Streetscape Lighting of Penn Street

Dear Ms. Rotz:

On behalf of the City of Reading and Our City Reading, I am submitting a list of materials to be considered proprietary items for the above referenced project.

1. Streetscape Lighting
   Manufacturer/Model: Spring City Electrical Manufacturing Co / Lechmere Base
   Justification: To match existing light poles in the blocks where the same light poles already exist.

2. Streetscape Lighting
   Manufacturer/Model: Spring City Electrical Manufacturing Co / Ivy Base
   Justification: To match existing light poles in the blocks where the same light poles already exist.

3. Streetscape Lighting
   Manufacturer/Model: Spring City Electrical Manufacturing Co / Columbia
   Luminaire (full DUT-Off)
   Height: 24 7/8"
   Width: 33" diameter
   Globe: Flat clear glass
   Lamping: 320/250/150 Watt Metal Halide
   Voltage: Quad wired at 120 Volts
   Justifications: To match existing lights in the blocks where the same lights already exist, and to work at the required light levels for the above poles. This is the recommended luminaire for this pole by this manufacturer.

I am also requesting to eliminate the Bulletin 15 listing requirement and any shop inspection requirement of Publication 408. I understand that these products have not been PennDOT pre-approved. Please notify me of an approval or denial in any/all of these items.

Sincerely,

Garreth Donly
Project Manager
Our City Reading

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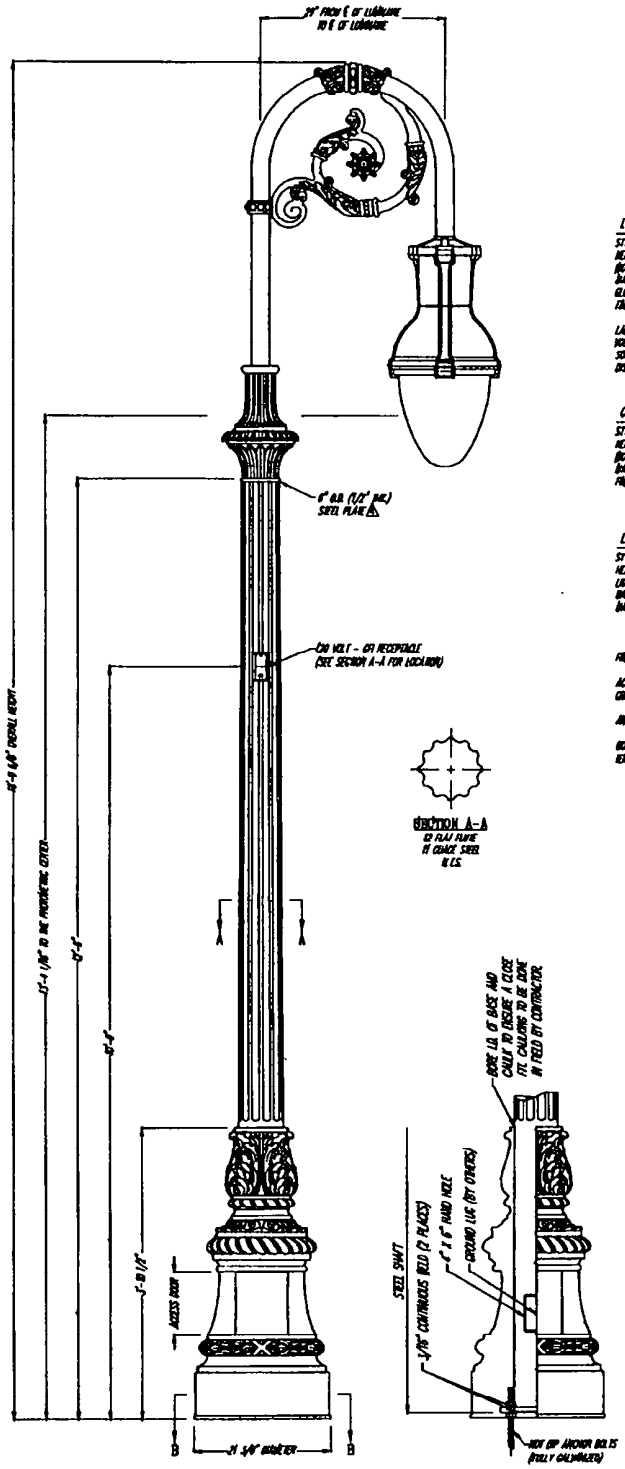


LUMINAIRE SPECIFICATIONS

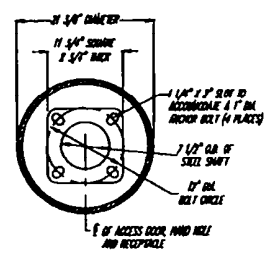
STYLE:	COLUMBIA LUMINAIRE
HEIGHT:	36 5/8"
WIDTH:	17 3/4"
MATERIAL:	CAST ALUMINUM
GLOBE:	REFRACTIVE OR ACRYLIC
FINISH:	PRIME PAINT THEN FINISH PAINT, SHERWIN WILLIAMS ACROLON - HUNTER GREEN
LAMPING:	175 WATT METAL HALIDE (LAMP BY OTHERS)
VOLTAGE:	GRAD WIRED AT 120 VOLTS
SOCKET:	MOGUL BASE
DISTRIBUTION:	TYPE III

CROSS ARM SPECIFICATIONS

STYLE:	24 BISHOP'S CROOK WITH THE RUSSELFIELD ADAPTOR
HEIGHT:	5'-5 1/2"
WIDTH:	29" FROM ℄ OF LUMINAIRE TO ℄ OF LUMINAIRE
MATERIAL:	ALUMINUM PIPE WITH CAST ALUMINUM ORNAMENTATION
FINISH:	PRIME PAINT THEN FINISH PAINT, SHERWIN WILLIAMS ACROLON - HUNTER GREEN

LAMP POST SPECIFICATIONS

STYLE:	FIVE STEEL
HEIGHT:	12'-6"
LIGHT CENTER:	14'-1 1/8"
BASE:	21 3/4" DIAMETER
MATERIAL:	
SHAFT:	11 GAUGE, 12 FLAT FLUTE STEEL MONTAGE CONSTRUCTION
BASE:	1 PIECE, (SLIP OVER) HEAVY WALL CAST IRON PER A.S.T.M. A 48-83 CLASS 30
FINISH:	PRIME PAINT THEN FINISH PAINT, SHERWIN WILLIAMS ACROLON - HUNTER GREEN
ACCESS DOOR:	LOCATED IN BASE
GROUND STUD PROVISIONS:	1/4"-20 SQUARE NUT WELDED TO INSIDE WALL OF SHAFT OPPOSITE HAND HOLE TO ACCOMMODATE A 1/4"-20 GROUND STUD (SUPPLIED BY OTHERS)
ANCHOR BOLTS:	(4) 1" X 30" + 4" HOOK (FULLY GALVANIZED WITH 1 GALVANIZED NUT AND 1 GALVANIZED WASHER PER BOLT)
BOLT PROJECTION:	3" REQUIRED
TENON:	3 1/2" DIA. X 6" MIN (TO ACCEPT CROSS ARM)



Spring City Electrical Mfg. Co.

SINCE 1913

MILL AND MAIN STREETS - P.O. BRANCH 19 - SPRING CITY, PA. 19476 - PHONE (610) 948-4000 FAX (610) 948-0577

DESCRIPTION	THE FIVE 12'-6" STEEL POST AND THE 24 BISHOP'S CROOK WITH THE RUSSELFIELD ADAPTOR AND THE COLUMBIA LUMINAIRE
CUSTOMER / JOB	CITY OF READING, PA

SCALE	DRAWN BY:	DATE	SPEC NO.
N.T.S.	D.A.K	05-20-08	S101605

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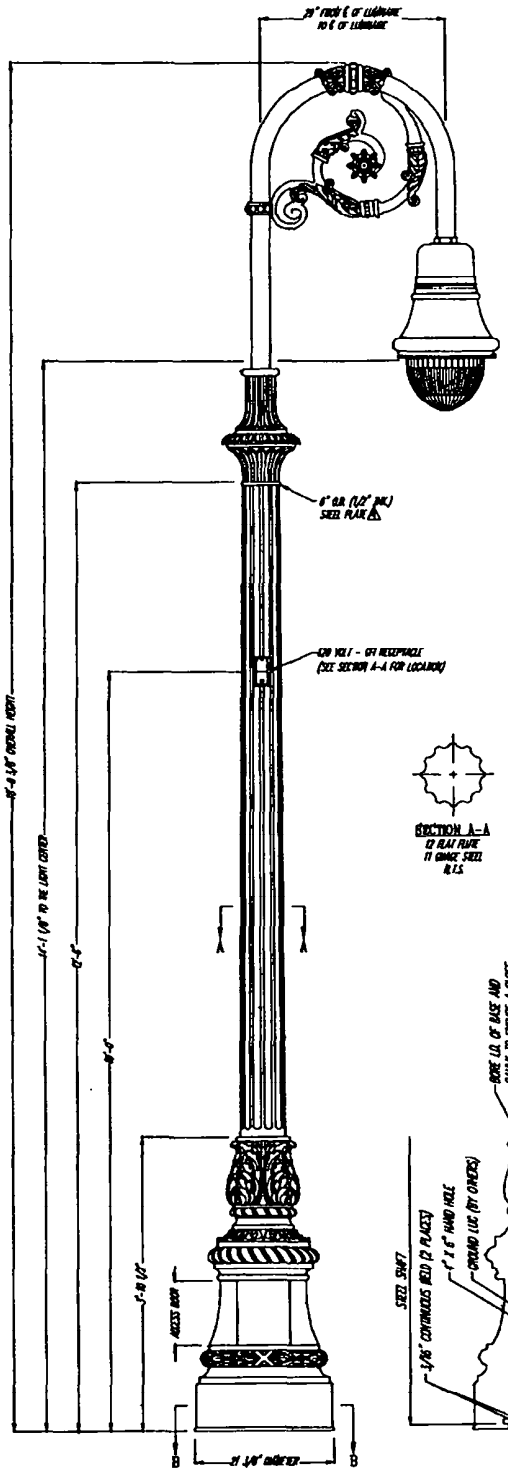
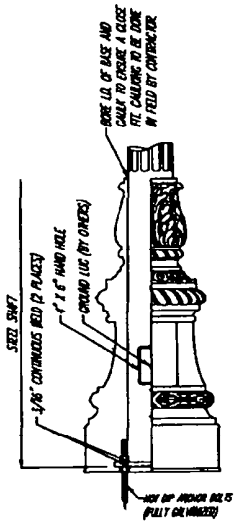


SECTION A-A
12 FLAT FLUTE
11 GAUGE STEEL
N.T.S.



LUMINAIRE SPECIFICATIONS

STYLE:	FFY 110 RETRACTIVE GLOBE
HEIGHT:	27 1/2"
WIDTH:	17"
MATERIAL:	CAST ALUMINUM AND SPUN ALUMINUM
GLOBE:	RETRACTIVE POLYCARBONATE
FINISH:	⚠ FRIBE PART BLACK FINISH PART, SHERWIN WILLIAMS ACRYLON - HUNTER GREEN
LAMPING:	100 WATT METAL HALIDE (LAMP BY OWNER)
VOLTAGE:	⚠ QUAD WIRED 277 OR VOLTS
⚠ SOCKET:	⚠ METRIC BASE
DISTRIBUTION:	TYPE II

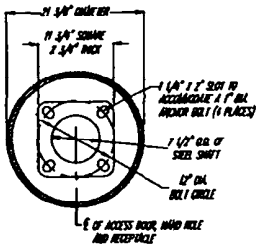
CROSS ARM SPECIFICATIONS

STYLE:	24 BISHOP'S CROOK WITH THE RUSSELFIELD ADAPTOR
HEIGHT:	5'-5 1/2"
WIDTH:	29" FROM ℄ OF LUMINAIRE TO ℄ OF LUMINAIRE
MATERIAL:	ALUMINUM PIPE WITH CAST ALUMINUM CHANGEOVER
FINISH:	⚠ FRIBE PART BLACK FINISH PART, SHERWIN WILLIAMS ACRYLON - HUNTER GREEN

LAMP POST SPECIFICATIONS

STYLE:	FFY STEEL
HEIGHT:	12'-6"
LIGHT CENTER:	14'-1 1/4"
BASE:	21 3/4" DIAMETER
MATERIAL:	
SHAFT:	11 GAUGE, 12 FLAT FLUTE STEEL MONOTUBE CONSTRUCTION
BASE:	1 PIECE, (SLIP OVER) HEAVY WALL CAST IRON PER A.S.T.M. A 48-83 CLASS 30
FINISH:	⚠ FRIBE PART BLACK FINISH PART, SHERWIN WILLIAMS ACRYLON - HUNTER GREEN
ACCESS DOOR:	LOCATED IN BASE
GROUND STUD PROVISIONS:	(4) 3/8"-24 SQUARE NUT WELDED TO INSIDE WALL OF SHAFT OPPOSITE HAND HOLE TO ACCOMMODATE A 1/4"-20 GROUND STUD (SUPPLIED BY OWNER)
ANCHOR BOLTS:	(4) 1" x 30" x 4" HOOK (FULLY GALVANIZED WITH 1 GALVANIZED NUT AND 1 GALVANIZED WASHER PER BOLT)
BOLT PROJECTION:	5" REQUIRED
TENON:	3 1/2" DIA. x 6" HIGH (TO ACCEPT CROSS ARM)

⚠ QUANTITY .... 1 REQUIRED
PER W.O. #: 150580



SECTION B-B
N.T.S.

⚠ REVISED BY: B.K.R.	DATE: 10-21-05
⚠ REVISED BY: B.K.R.	DATE: 01-06-05
⚠ REVISED BY: B.K.R.	DATE: 01-31-03
⚠ REVISED BY: B.K.R.	DATE: 05-08-02
⚠ REVISED BY: B.K.R.	DATE: 07-26-00

Spring City Electrical Mfg. Co.

SINCE 1943 — WALL AND IRON STREETS - P.O. BOX 1 - SPRING CITY, PA. 19475 - PHONE (610) 948-4000 FAX (610) 948-4037

DESCRIPTION	THE FFY 12'-6" STEEL POST AND THE 24 BISHOP'S CROOK WITH THE RUSSELFIELD ADAPTOR AND THE FFY 110 RETRACTIVE GLOBE LUMINAIRE		
CUSTOMER	⚠ FRANKLIN ELECTRIC		
JOB	⚠ CITY OF READING, PA - KNOCKDOWN		
SCALE: N.T.S.	DRAWN BY: L.C. LUONG	DATE: 05-05-93	DRAWING NO. LP-20850

PROJECT DESCRIPT.

⚠ QUANTITY ... 19 REQUIRED FOR S.O. # 100577

⚠ QUANTITY ... 1 REQUIRED FOR S.O. # 100576

⚠ QUANTITY ... 1 LUMINAIRE REQUIRED FOR S.O. # 100577

⚠ QUANTITY ... 1 STEEL SHAFT REQUIRED PLUS 1 LUMINAIRE REQUIRED FOR S.O. # 100578

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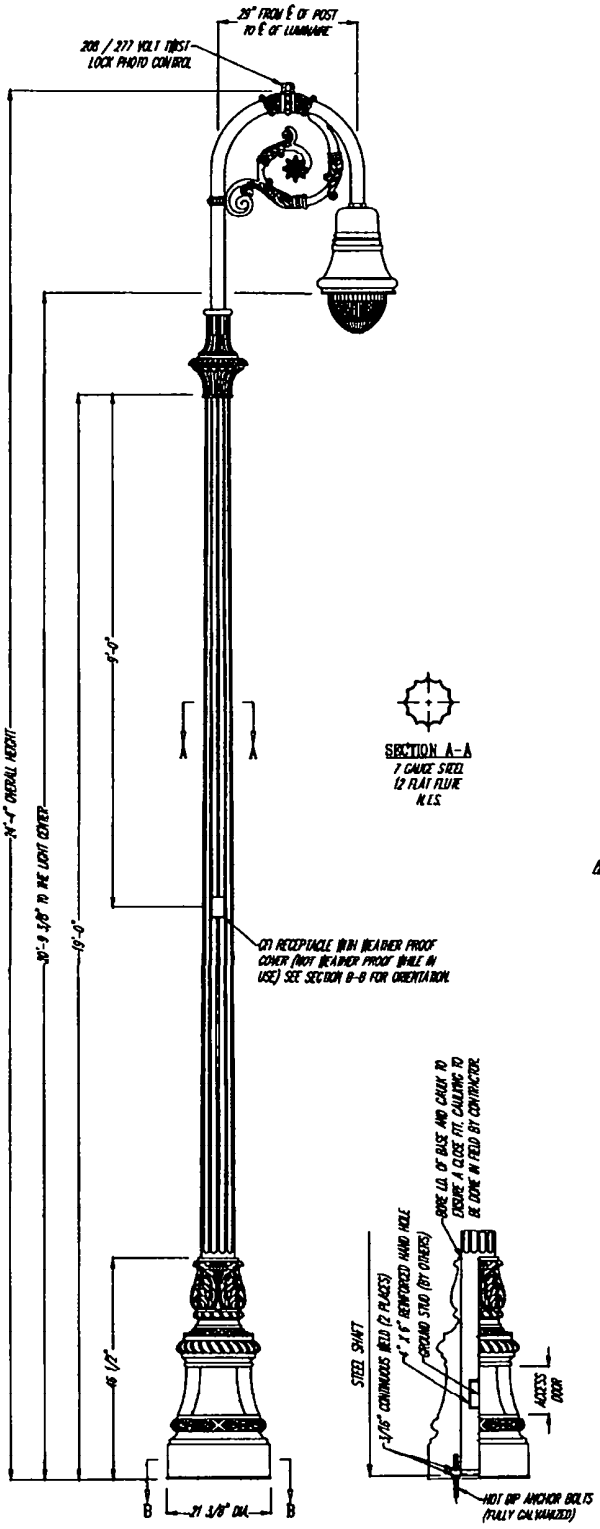


LUMINAIRE SPECIFICATIONS

STYLE:	EFIYY
HEIGHT:	27 1/2"
WIDTH:	17"
MATERIAL:	CAST ALUMINUM AND SPUN ALUMINUM
GLOBE:	RETRACTIVE POLYCARBONATE
FINISH:	⚠ PRIME PAINT THEN FINISH PAINT, SHERWIN WILLIAMS ACROLON - OLYMPIC RANGE SR2305
LAMPING:	250 WATT METAL HALIDE (LAMP BY OTHERS)
VOLTAGE:	277 VOLTS
SOCKET:	MOGUL BASE

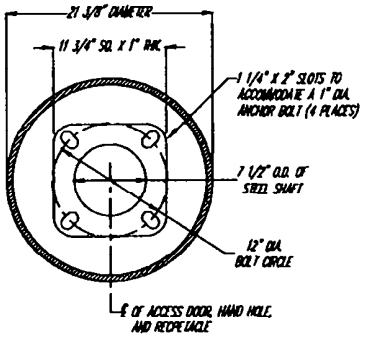
CROSS ARM SPECIFICATIONS

STYLE:	CABC-W1
HEIGHT:	5'-4"
WIDTH:	29" FROM ℄ OF POST TO ℄ OF LUMINAIRE
MATERIAL:	ALUMINUM PIPE WITH CAST ALUMINUM ORNAMENTATION
FINISH:	⚠ PRIME PAINT THEN FINISH PAINT, SHERWIN WILLIAMS ACROLON - OLYMPIC RANGE SR2305
PHOTO CONTROL:	208/277 VOLT TWIST LOCK
TENON:	2" NPT PIPE NIPPLE (TO ACCEPT LUMINAIRE)

LAMP POST SPECIFICATIONS

STYLE:	SBYY-S STEEL
HEIGHT:	19'-0" (24'-4" OVERALL)
LIGHT CENTER:	20'-9 3/8"
BASE:	21 3/8" DIA.
MATERIAL:	
SHAFT:	7 GAUGE, 12 FLAT FLUTE STEEL MONOTUBE CONTRUCTION
BASE:	1 PIECE (SLIP OVER) HEAVY WALL CAST IRON PER A.S.T.M. 48-83 CLASS 30
FINISH:	⚠ PRIME PAINT THEN FINISH PAINT, SHERWIN WILLIAMS ACROLON - OLYMPIC RANGE SR2305
ACCESS DOOR:	LOCATED IN BASE SECURED WITH TAMPER PROOF HEX SOCKET SECURITY MACHINE SCREWS
GROUND STUD PROVISIONS:	1/4"-20 NUT WELDED TO INSIDE STEEL SHAFT OPPOSITE HAND HOLE TO COINCIDE WITH THE ACCESS DOOR FOR GROUND STUD (GROUND STUD PROVIDED BY OTHERS)
ANCHOR BOLTS:	(4) 1" DIA. X 30" LONG + 4" HOOK (FULLY GALVANIZED WITH 2 GALVANIZED NUTS AND 2 GALVANIZED WASHERS PER BOLT)
BOLT PROJECTION:	5" REQUIRED
TENON:	3 1/2" DIA. X 6" HIGH (TO ACCEPT CROSS ARM)

⚠ QUANTITY ..... 1 REQUIRED
PER S.O. #: 130046



SECTION B-B
N.T.S.

⚠ REVISED BY: B.K.R.	DATE: 03-20-03
⚠ REVISED BY: B.K.R.	DATE: 07-05-01

Spring City Electrical Mfg. Co.

MILL AND MAIN STREETS - P.O. BOX 9 - SPRING CITY, PA. 19475 - PHONE (610) 948-4000 FAX (610) 948-3577

DESCRIPTION	THE SBYY-S BASE WITH STEEL SHAFT AND THE CABC-W1 CROSSARM WITH THE EFIYY LUMINAIRE
CUSTOMER	⚠ TELCO INC.
JOB	⚠ CITY OF READING - BARTA

SCALE	DRAWN BY:	DATE	DRAWING NO.
N.T.S.	B.K.R.	04-19-01	LP-24911

PROJECT VICINITY
CONDUIT ... IS REQUIRED PER S.A. & TRENT

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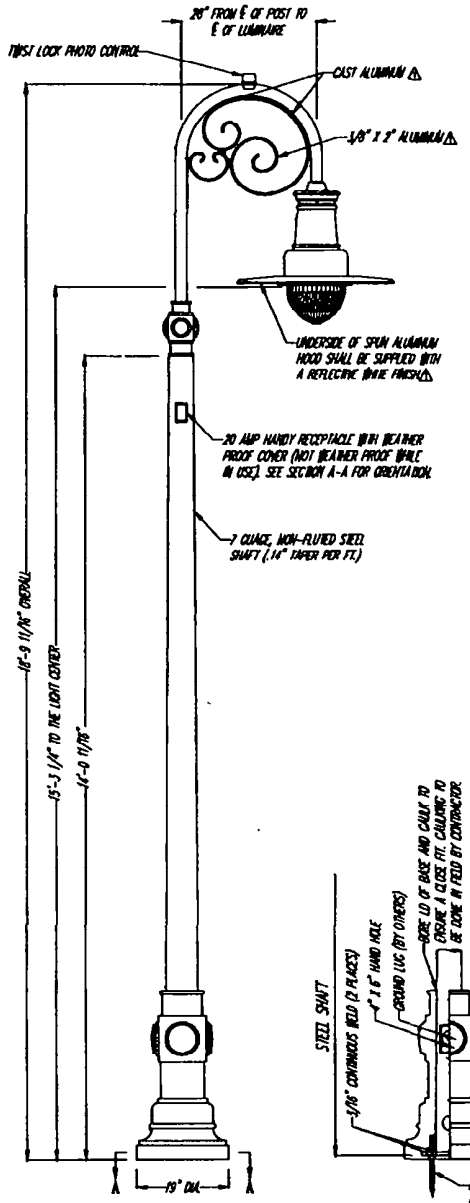
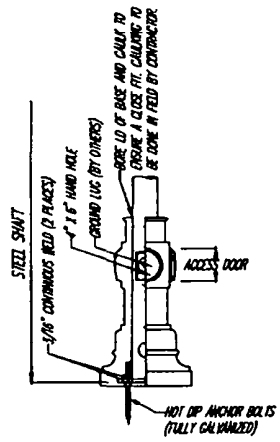




LUMINAIRE SPECIFICATIONS

STYLE:	LECHMERE 110 RETRACTIVE
HEIGHT:	28 1/2"
WIDTH:	33"
MATERIAL:	CAST ALUMINUM
GLOBE:	RETRACTIVE POLYCARBONATE
FINISH:	PRIME PAINT THEN FINISH, SHERWIN WILLIAMS ACROLON - DARK BRONZE
LAMPING:	175 WATT METAL HALIDE (LAMP BY OTHERS)
VOLTAGE:	△ QUAD WIRED AT 120 VOLT
DISTRIBUTION:	TYPE III-W-SC PER REPORT #UR. 487-1UA - ASYMMETRIC
SOCKET:	△ MOGUL BASE

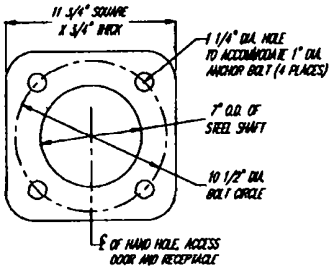
CROOK SPECIFICATIONS

STYLE:	LECHMERE SINGLE
HEIGHT:	4'-9"
WIDTH:	28" FROM ℄ OF POST TO ℄ OF LUMINAIRE
MATERIAL:	2" STANDARD ALUMINUM PIPE WITH BAR STOCK SCROLL WORK AND CAST ALUMINUM ORNAMENTATION
FINISH:	PRIME PAINT THEN FINISH PAINT, SHERWIN WILLIAMS ACROLON - DARK BRONZE
TENON:	2" THREADED PIPE

LAMP POST SPECIFICATIONS

STYLE:	LECHMERE STEEL
HEIGHT:	14'-0 11/16"
LIGHT COVER:	15"-3 1/4"
BASE:	19" DIAMETER
MATERIAL:	
SHAFT:	7 GUAGE, NON FLUTED, STEEL MONOTUBE CONSTRUCTION (TAPER = .14" PER FOOT)
BASE:	2 PIECE, (WRAP AROUND) HEAVY WALL CAST IRON PER A.S.T.M. A 48-83 CLASS 30
FINISH:	PRIME PAINT THEN FINISH PAINT, SHERWIN WILLIAMS ACROLON - DARK BRONZE
ACCESS DOOR:	LOCATED IN BASE TO COINCIDE WITH HAND HOLE IN STEEL SHAFT
GROUND STUD PROVISIONS:	1/2"-13 SQUARE NUT WELDED TO INSIDE WALL OF POLE OPPOSITE HAND HOLE FOR GROUND STUD (STUD SUPPLIED BY OTHERS)
ANCHOR BOLTS:	(4) 1" X 30" + 4" HOOK (FULLY GALVANIZED WITH 2 GALVANIZED NUTS AND 2 GALVANIZED WASHERS PER BOLT)
BOLT PROJECTION:	5" REQUIRED
TENON:	△ 2 7/8" DIA. X 5" HIGH

△ QUANTITY .... 1 CROSS ARM ASSEMBLY ONLY REQUIRED PER S.O. #: 140730



SECTION A-A
N.T.S.

△ REVISED BY: B.K.R.	DATE: 11-18-04	
△ REVISED BY: B.K.R.	DATE: 08-27-01	
△ REVISED BY: B.K.R.	DATE: 03-05-01	

Spring City Electrical Mfg. Co.

SINCE 1893 — MAIL AND WALK STREETS - P.O. BOXER 19 - SPRING CITY, PA. 19475 - PHONE (610) 948-4000 FAX (610) 948-0577

DESCRIPTION	THE LECHMERE 14'-0 11/16" STEEL POST WITH THE LECHMERE CROOK AND THE LECHMERE 110 RETRACTIVE GLOBE LUMINAIRE
CUSTOMER / JOB	△ FROMM ELECTRIC △ SOVEREIGN CENTER - READING, PA

△ PROJECT HISTORY

QUANTITY ... 17 REQUIRED PER S.O. #: 100104

△ QUANTITY ... 4 REQUIRED PER S.O. #: 110841

SCALE	DRAWN BY:	DATE	DRAWING NO.
N.T.S.	B.K.R.	05-09-00	LP-24458