

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. # 0010718 **DATE** 09/08/2016
Emanuel County
City of Swainsboro
Swainsboro Downtown Streetscape Improvements

FROM  Brent A. Story, P.E., State Design Policy Engineer

TO Albert V. Shelby, State Program Delivery Engineer
Attn: Mark Lawing , Project Manager

SUBJECT Patented and Proprietary Item Approval

The Office of Design Policy and Support has reviewed the request for the use of proprietary items on the Swainsboro Downtown Streetscape Improvement project in the City of Swainsboro in Emanuel County. This project is not located on the National Highway System (NHS).

GDOT accepts the City of Swainsboro's certification that the following items are essential for aesthetic synchronization:

- Pedestrian Lighting – Sun Valley Lighting, Model 44-1070-12-(1)FBA18-(1)BEB-(1)GFI-PT27-LAC1-YF-CP-BF-PG-V-INC(MEDIUM BASE)-120V-RAL9005T-BLACKTEXT
- Park Benches – J&M Foundry, Inc., Model: Charleston Water Front

Identical items have been previously installed in the project vicinity. The Department considers the use of the proprietary items listed above to be in compliance with 23 CFR 635.411 for aesthetic synchronization. This approval applies only to project PI Number 0010718. The City of Swainsboro is responsible for ensuring that these items comply with the Buy America Act.

Should you have any questions or concerns, please contact Brent Story at 404-631-1600 or Dave Peters at 404-631-1738.

Attachment: Proprietary Item Request

BAS:DGP:drp



CITY OF
Swainsboro GEORGIA
Crossroads of the Great South

August 25, 2016

Mr. Mark Lawing
Moreland Altobelli Associates, Inc.
Commerce Avenue, Suite 100
Duluth, GA 30096.

Re: City of Swainsboro, Georgia
Downtown Streetscape improvements
Emanuel County DOT PI 0010718
GBT Project No. 310711

Dear Mr. Lawing:

As per the Federal Highway Administration regulation in 23 CFR 635.411(a)(2), proprietary materials, specifications, and processes can be used if their use is essential for synchronization with existing highway facilities. For the City of Swainsboro's Transportation Enhancement Project, PI # 0010718, the following proprietary items are proposed for use:

Pedestrian Light

Manufacturer: Sun Valley

Model:

44-1070-12-(1)FBA18-(1)BEB-(1)GFI-PT27-LAC1-YF-CP-BF-PG-V-INC(MEDIUM BASE)-120V-RAL9005T-BLACKTEXT

Quantity in Project: 67

Finish: Polyester Powder Coated

Total Estimated Cost for Ped. Lights: \$234,500 Color: Black Textured (RAL-9005-T)

Park Bench

Manufacturer: J&M Foundry, Inc.

Model: Charleston Water Front

Quantity in Project: 5

Finish: Painted

Total Estimated Cost for Park Benches: \$5,000 Color: Black

The total estimated costs for materials listed above are based on recent construction bids on similar projects. The Pedestrian lights are being provided by the City. The City is upgrading their existing pedestrian light lamps from High Intensity Discharge (HID) to 54 Watt LED. This will help the City save on power costs. Similarly, the proposed pedestrian light model is for the HID version, which the City will upgrade as well to save

on the installation costs. The cost above includes labor and freight. The cost for the park benches includes materials, labor, tax and freight. The estimated total construction cost for the project is \$886,636, which has been adjusted since the Concept Report to account for the number of pedestrian lights following the photometric calculations. The cost of \$239,500 for proprietary items represents 27% of the estimated construction costs.

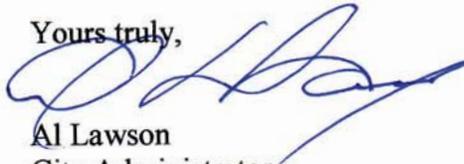
The pedestrian lights and park benches are specified to comply with the historic character and design intent of the City of Swainsboro for the redevelopment of downtown. The same lights and benches were used in the previous downtown streetscape project along North, South, East and West Main Streets in the Historic District. The City would like to maintain the same character of lighting with the proposed Transportation Enhancement project.

I, Al L. Lawson, City Administrator of the City of Swainsboro do hereby certify that in accordance with the requirements of 23 CFR 635.411(a)(2), that this patented or proprietary item is essential for synchronization with existing highway facilities. The use of these products is essential for aesthetic synchronization to match the visual appearance of existing facilities previously installed in the City of Swainsboro and for compatibility with the City of Swainsboro Design Guidelines.

The City of Swainsboro respectfully requests that the use of these proprietary products be approved. Enclosed are spec sheets and color photos of the pedestrian light and park bench on North Main Street beside City Hall. The items were part of a Downtown Streetscape Improvements project PI#0007582, CSHP-0007-00(582).

If you have any questions, please call us.

Yours truly,



Al Lawson
City Administrator

Enclosures

cc: Mr. John V. McClellan, P.E., G. Ben Turnipseed Engineers, Inc.
Mrs. Sara Davis, ALGA

Enclosure List:

- Pedestrian Light spec sheets
- Pedestrian Light color photo
- Park Bench spec sheets
- Park Bench color photo
- Bench and Light color photo on North Main beside City Hall

H.I.D. AREA LIGHTING

LAC SERIES-HID

SPECIFICATIONS

FITTER

Heavy cast, low copper aluminum (A356 alloy; <.2% copper) decorative fitter with 4 stainless steel socket head cap screws to secure fixture to tenon. The top collar of the fitter has 4 stainless steel socket head cap screws to secure acorn/globe to the fitter in a channel that has an elevated interior (to the acorn/globe) barrier to prevent moisture from entering the fitter and weep holes to allow drainage. Standard fitter has 3" I.D. opening for tenon.

CAGE and CROWN

Decorative corrosion resistant cast aluminum (A356 alloy, <.02% copper) surround welded to 4 decorative cast aluminum (A356 alloy, <0.2% copper) vertical support arms. The arms are welded to the fixture hub creating a cage in which the acorn globe resides. All hardware is stainless steel.

ACORN/GLOBE

Clear patterned UV Stabilized shatter-resistant polycarbonate.

OPTICS

(VL) Bare Lamp - Vertically oriented base down lamp produces a symmetric (SYM) distribution. Sockets are porcelain 4KV pulse rated, medium base (E26) up to 150W or mogul base (E39) for 250W (coated lamp recommended)

(IL) Internal Louver - Stacked specular (bright dipped anodized) louver reflector produces a symmetric (Type V) distribution pattern. Sockets are porcelain 4KV pulse rated, medium base (E26) up to 150W or mogul base (E39) for 250W.

(PG) Prismatic Glass Refractor (Internal) - Borosilicate glass refractor produces either a symmetric (Type V) or asymmetric (Type III) distribution pattern. Sockets are porcelain 4KV pulse rated, medium base (E26) up to 150W or mogul base (E39) for 250W.

ELECTRICAL COMPARTMENT/MODULE

Spun aluminum enclosure creates separate compartment or ballast components and serves as mounting platform for the lamp socket locating the lamp at the proper optical center for the acorn/globe. All electrical components are UL and cUL recognized are mounted on a single plate and factory prewired with quick-disconnect plugs. Electronic MH ballasts have power factor of >.95 (70W - 150W) -20°F starting, 120-277V or >.90. 347V option utilizes a step down transformer to the electronic ballast. Magnetic MH ballasts are high power factor (70W - 150W) or CWA (200 - 250W), -20°F starting, multi-tap 120-277V, 60Hz. All HPS ballasts are core and coil, high-reactance, high power factor (70W - 150W) or CWA (200W - 250W), -40°F starting.

FINISH

Polyester powder coat incorporates four step iron phosphate process to pretreat metal surface for maximum adhesion. Top coat is baked at 400°F for maximum hardness and exterior durability.

PROJECT NAME: _____

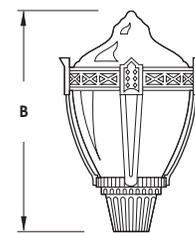
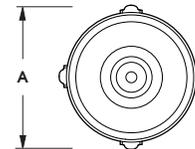
FIXTURE TYPE: _____

44-1070-12-
(1)FBA18-(1)BEB-
(1)GFI-PT27-
LAC1-YF-CP-BF-
PG-V-
INC(MEDIUM
BASE)-120V-
RAL9005T-
BLACKTEXT



LAC

PATENT PENDING



FIXTURE	A	B
LAC1*	17.5" 445mm	29" 737mm
LAC2*	15.5" 394mm	25.5" 648mm

* WITH STANDARD -YA FITTER

LAC SERIES - HID

S P E C I F I C A T I O N S

OPTIONAL FITTERS



* AVAILABLE WITH MINI BUTTON PHOTOCELLS
SEE OPTIONS

OPTIONAL COMPONENTS

VERTICAL BARE LAMP
ASY



VL

INTERNAL LOUVER
TYPE V



IL

PRISMATIC GLASS
REFRACTOR
TYPE III
TYPE V



PG-III

PG-V

ORNAMENTAL
FINIAL



PF

BRASS
FINIAL



BF

E.P.A. & LAMP WATTAGE



LAC1 E.P.A.= 1.36
LAMP SIZE: 50 - 250 WATT



LAC2 E.P.A.= 1.14
LAMP SIZE: 50 - 100 WATT

Spec/Order Example: LAC1-YD/IL-V/70PSMH240/4-90/RAL-7004/SF

S P E C / O R D E R I N G I N F O R M A T I O N

LUMINAIRE-FITTER	OPTICS	WATTAGE	TYPE	VOLTAGE	MOUNTING	FINISH	OPTIONS
LUMINAIRE	OPTICS	LAMP			MOUNTING	FINISH	OPTIONS
(250W REQUIRES "HT" OPTION)	VERTICAL BARE LAMP	WATTAGE	TYPE	VOLTAGE	ARM MOUNT	STANDARD TEXTURED FINISH	
<input type="checkbox"/> LAC1-YA	<input type="checkbox"/> TYPE SYMMETRIC VL - SYM	<input type="checkbox"/> 250 ²	<input type="checkbox"/> PSMH	<input type="checkbox"/> 120	<input type="checkbox"/> 1	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> CLEAR POLYCARBONATE (STANDARD) CP
<input type="checkbox"/> LAC1-YB		<input type="checkbox"/> 175 ³	<input type="checkbox"/> HPS	<input type="checkbox"/> 208	<input type="checkbox"/> 2-180	<input type="checkbox"/> WHITE RAL-9003-T	<input type="checkbox"/> OPAL POLYCARBONATE . . . WP
<input type="checkbox"/> LAC1-YC		<input type="checkbox"/> 150T ¹		<input type="checkbox"/> 240	<input type="checkbox"/> 2-90	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> ORNAMENTAL FINIAL PF
<input type="checkbox"/> LAC1-YD	GLASS REFRACTOR	<input type="checkbox"/> 150		<input type="checkbox"/> 277	<input type="checkbox"/> 3-90	<input type="checkbox"/> DARK BRONZE RAL-8019-T	<input type="checkbox"/> BRASS FINIAL BF
<input type="checkbox"/> LAC1-YE	<input type="checkbox"/> TYPE III PG - III	<input type="checkbox"/> 100		<input type="checkbox"/> 347 (CAN)	<input type="checkbox"/> 3-120	<input type="checkbox"/> GREEN RAL-6005-T	<input type="checkbox"/> HEAT SHIELD HT (REQUIRED FOR 250W)
<input type="checkbox"/> LAC1-YF	<input type="checkbox"/> TYPE V PG - V	<input type="checkbox"/> 70T ¹		<input type="checkbox"/> 480	<input type="checkbox"/> 4-90		<input type="checkbox"/> HOUSE SIDE SHIELD 90° HS90° 135° HS135° 180° HS180°
		<input type="checkbox"/> 70			WALL MOUNT	FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9500-S)	<input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) PC+V
		<input type="checkbox"/> 50			<input type="checkbox"/> WM	SEE USALTG.COM FOR ADDITIONAL COLORS	<input type="checkbox"/> TWIST LOCK RECEPTACLE ONLY TPR
(100W MAX)	INTERNAL LOUVER	LAC2			POST TOP		<input type="checkbox"/> SINGLE FUSE (120V, 277V) SF
<input type="checkbox"/> LAC2-YA	<input type="checkbox"/> TYPE V IL - V	<input type="checkbox"/> 100			<input type="checkbox"/> PT		<input type="checkbox"/> DOUBLE FUSE (208V, 240V, 480V) DF
<input type="checkbox"/> LAC2-YB		<input type="checkbox"/> 70T ¹					
<input type="checkbox"/> LAC2-YC		<input type="checkbox"/> 70					
<input type="checkbox"/> LAC2-YD		<input type="checkbox"/> 50					
<input type="checkbox"/> LAC2-YE							
<input type="checkbox"/> LAC2-YF							

NOTES:
1 - G12 BASE
2 - HT OPTION REQUIRED AND INC.
3 - POSITION SENSITIVE - Use "U" OR "V"
LAMPS ONLY. NOT "VBU" RATED.

BASE

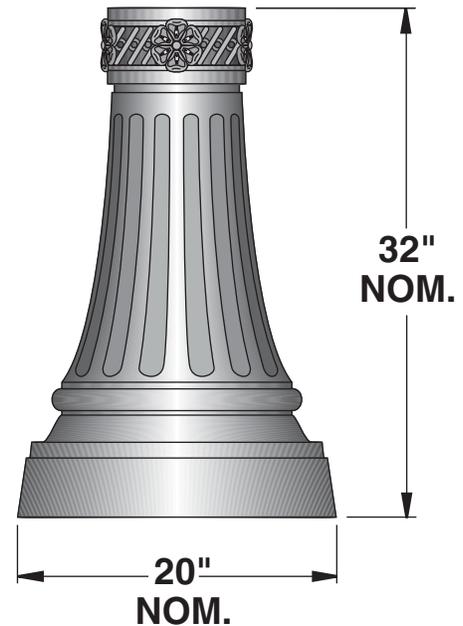
ONE PIECE CORROSION RESISTANT, DURABLE CAST ALUMINUM CONSTRUCTION. MINIMUM .210 WALL THICKNESS. BASE CONSISTS OF A SMOOTH, TAPERED BOTTOM SECTION, AND A HIGHLY DETAILED, DECORATIVE FLUTED SECTION, A DECORATIVE CAST ALUMINUM COLLAR AND A FLUTED HAND HOLE COVER CONTOURED TO BASE DESIGN. HAND HOLE COVER SUPPLIED WITH TAMPER RESISTANT HARDWARE. GROUNDING LUG PROVIDED INSIDE BASE OPPOSITE HAND HOLE.

ANCHORAGE

A 3/4" CAST ALUMINUM ANCHOR RING IS WELDED 1" ABOVE BOTTOM OF BASE TO ACCEPT (4) FULLY GALVANIZED ANCHOR BOLTS. EACH BOLT SUPPLIED WITH TWO NUTS AND TWO WASHERS. ANCHORAGE IS FASTENED THROUGH HAND HOLE.

FINISH

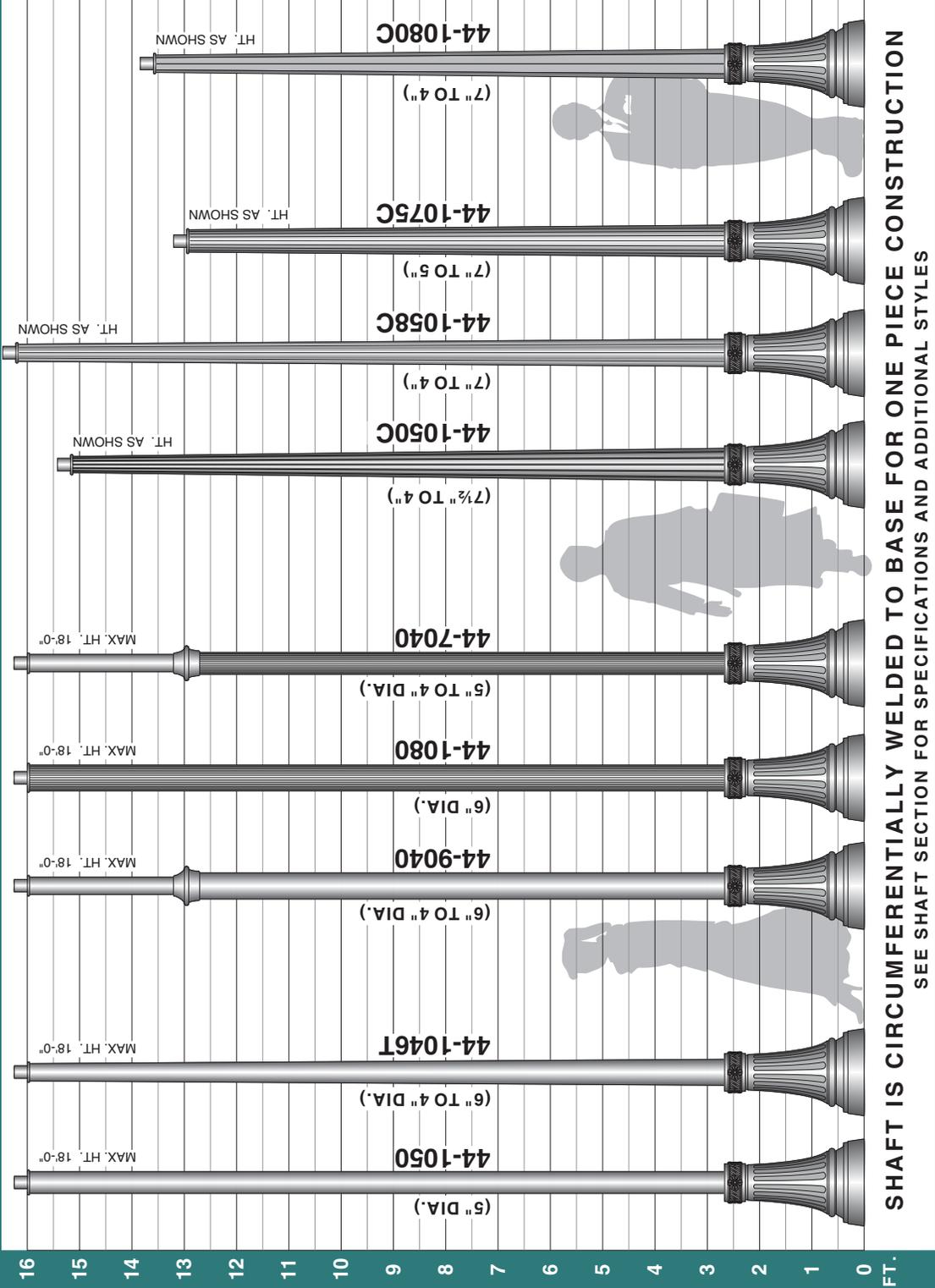
ELECTROSTATICALLY APPLIED BAKED ON TEXTURED ACRYLIC ENAMEL. (SEE PAGE 5 FOR OPTIONAL FINISH AND COLOR SELECTION)



44 BASE

POLE ACCESSORIES (SPECIFY AS SUFFIX TO CAT. NO.)

- 16 **TENONS**
- 15 STANDARD: 2 7/8" O.D.
OPTIONS: 2 3/8" O.D.
3 1/2" O.D.
- 14 **PT23**
PT31
- 13 **DUP** OR **G.F.I.**
RECEPTACLE
WITH COVER
- 12 **RBA**
FIELD ROTATABLE
OR FIXED BANNER
ARM
- 11 **FBA**
- 10 **BEB**
BANNER
EYE BOLT
- 9 **BBA**
BREAK AWAY
BANNER ARM
- 8 **RBH**
FIELD ROTATABLE
OR FIXED BASKET
HOLDER
- 7 **FBH**
- 6 **RSS**
FIELD ROTATABLE
STREET SIGN
- 5 **RLR**
FIELD ROTATABLE
LADDER REST
- 4 20"
- 3 1 3/8" I.D.
- 2 **RFH**
FIELD ROTATABLE
OR FIXED FLAG
HOLDER
- 1 **FFH**
- 0 FT.



SHAFT IS CIRCUMFERENTIALLY WELDED TO BASE FOR ONE PIECE CONSTRUCTION
SEE SHAFT SECTION FOR SPECIFICATIONS AND ADDITIONAL STYLES

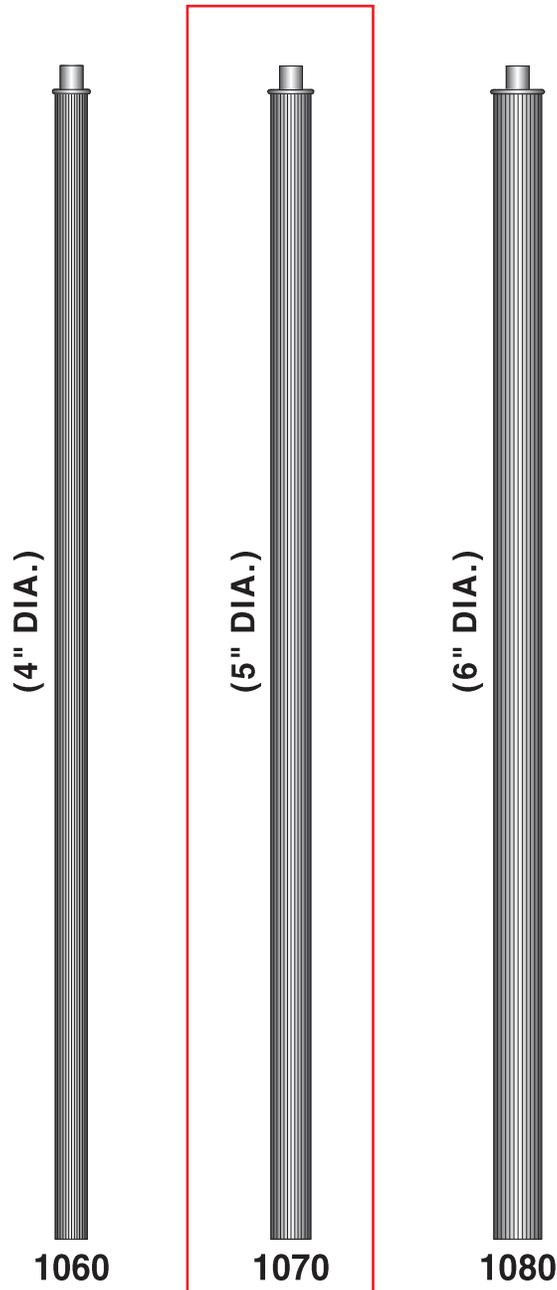
660 WEST AVENUE O, PALMDALE, CA 93551
(661) 233-2000
FAX (661) 233-2001
www.sunvalleylighting.com

sun valley
LIGHTING



FLUTED

ROUND EXTRUDED FROM 6063 ALLOY ALUMINUM. HEAT TREATED TO PRODUCE A T6 TEMPER. SHAFTS HAVE EVENLY SPACED HIGHLY DETAILED RAISED VERTICAL FLUTES.



(FLUTED ALUMINUM SHAFTS)
SHAFT WALL THICKNESS .188

POLES PROVIDED WITH TENON TOP
POST TOP (PT): 2 7/8" O.D. X 3"
MULTIPLE LUMINAIRES: 2 7/8" O.D. X 6"



The Lighting Tradition

sun valley
LIGHTING

660 WEST AVENUE O, PALMDALE, CA 93551
(661) 233-2000
FAX (661) 233-2001
www.sunvalleylighting.com

CUSTOMER APPROVAL:

X _____ DATE: _____

A signed approval will be required with the released order

PROPRIETARY SUBMITTAL, DO NOT MODIFY.

SPECIFICATIONS:

LUMINAIRE: ONE PIECE HIGH IMPACT CLEAR TEXTURED POLYCARBONATE DIFFUSER WITH DECORATIVE CAST ALUMINUM CAGE AND FITTER.

OPTICS: CLEAR PRISMATIC BOROSILICATE THERMO-RESISTANT GLASS REFRACTOR, TYPE V (SYMMETRIC) LIGHT DISTRIBUTION.

LAMP HOLDER: MEDIUM BASE, PORCELAIN.

LAMP: INCANDESCENT (BY OTHERS)

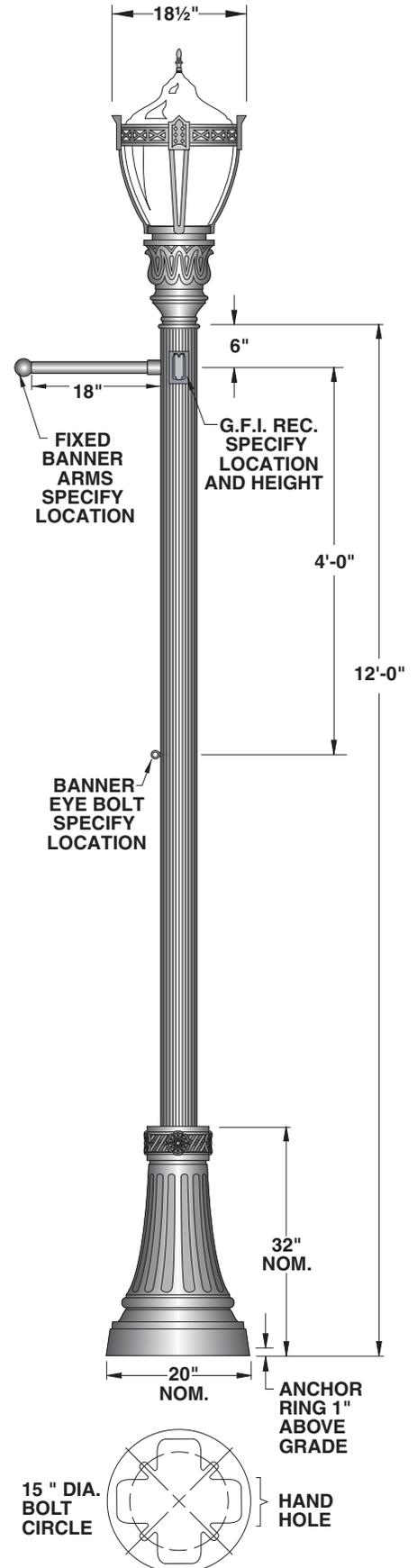
SHAFT: 5" DIA. EXTRUDED FROM 6063 ALLOY ALUMINUM TUBING, HEAT TREATED TO PRODUCE A T6 TEMPER. WALL THICKNESS .188. SHAFT HAS EVENLY SPACED HIGHLY DETAILED RAISED VERTICAL FLUTES.

BASE: ONE PIECE CORROSION RESISTANT, DURABLE CAST ALUMINUM CONSTRUCTION. MINIMUM .210 WALL THICKNESS. BASE CONSISTS OF A SMOOTH, TAPERED BOTTOM SECTION, AND A HIGHLY DETAILED, DECORATIVE FLUTED SECTION, A DECORATIVE CAST ALUMINUM COLLAR AND A FLUTED HAND HOLE COVER CONTOURED TO BASE DESIGN. HAND HOLE COVER SUPPLIED WITH TAMPER RESISTANT HARDWARE. GROUNDING LUG PROVIDED INSIDE BASE OPPOSITE HAND HOLE.

ANCHORAGE: (4) 3/4"X24" ANCHOR BOLTS, EACH SUPPLIED WITH TWO NUTS AND TWO WASHERS.

FINISH: POLYESTER POWDER COAT (COLOR: **BLACK TEXTURED, RAL-9005-T.**)

SCALE: 1/2" = 1'-0"





Swainsboro

Home of the
Pine Tree Festival

NO
SIDE
PARKING



J&M FOUNDRY, INC.
IRON, BRASS & ALUMINUM CASTINGS
P.O. BOX 2802 • SUMMERVILLE, SC 29484
PHONE: (843) 761-2990 • FAX: (843) 761-1122
E-MAIL: jaimietylee@aol.com

DESCRIPTION AND SPECIFICATIONS ON THE "WATHER FRONT PARK
BENCH:

MATERIAL (ENDS) CAST IRON

WEIGHT: 60 LBS. EACH LEG

HEIGHT: 35-1/2"

NUMBER OF SLATS: 9 EACH

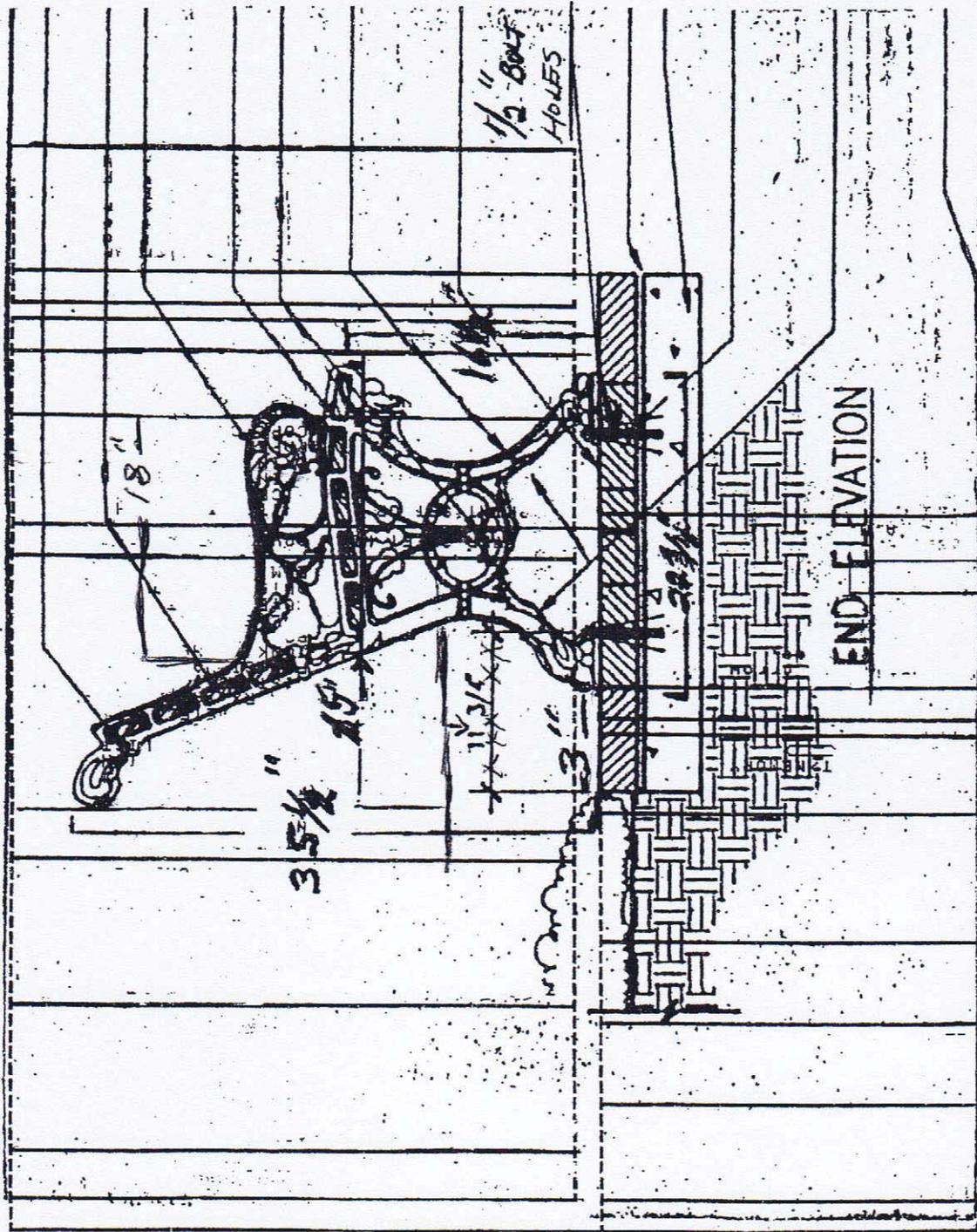
TYPE OF SLATS: IPE/BETHABARRA

2 EACH SUPPORT RODS

POWDER COATED ENDS

ALL OF THE NUTS, WASHERS, AND BOLTS ARE OUT OF STAINLESS
STEEL. THE BENCH ENDS HAVE A BOLT HOLE THAT FITS 1/2" BOLTS
ON A 4" BENCH.

PAINT AND SIZES ARE BASED ON WHAT THE CUSTOMER IS IN NEED
OF. IF YOU HAVE ANY QUESTIONS OR NEED FURTHER
INFORMATION PLEASE CONTACT US.



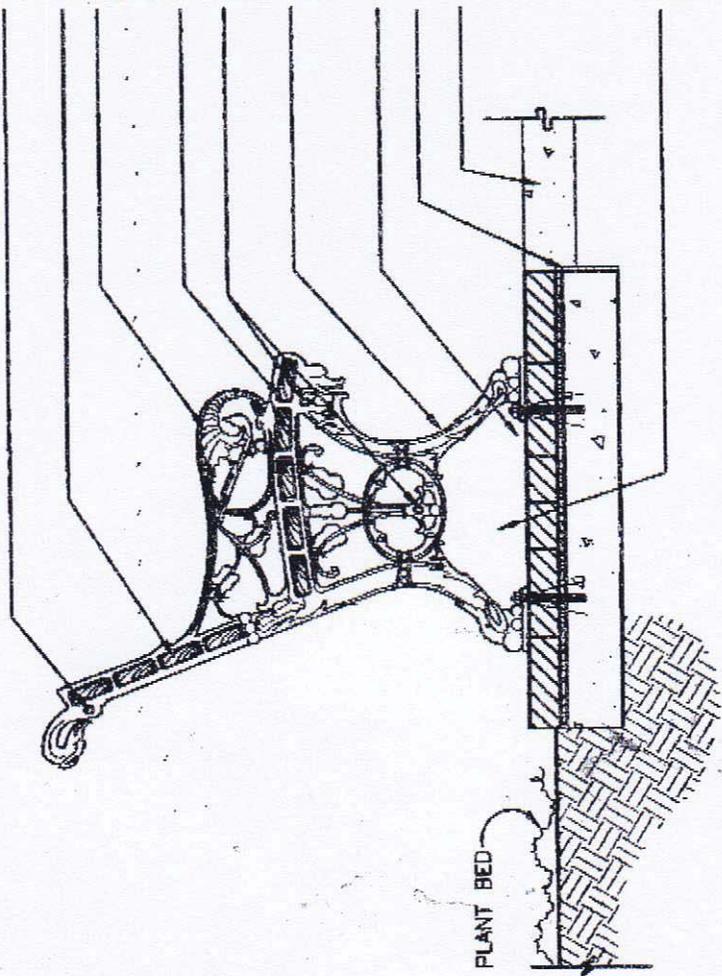
"CHARLESTON WATER FRONT
PARK BENCH"

(POWDER COAT)

FOR COLE
CROSBY

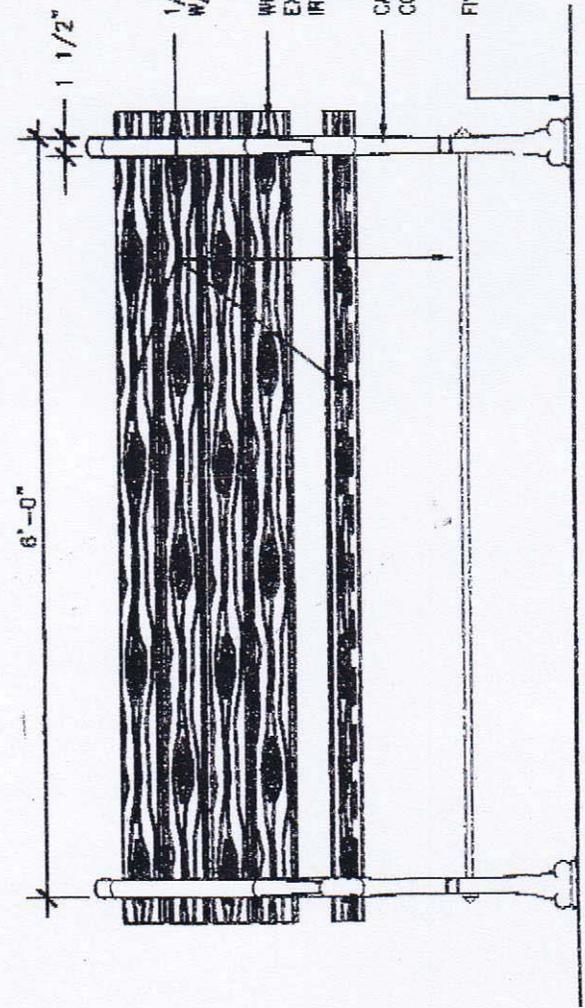
- 1/2" GALVANIZED TIE-ROD REINFORCEMENT (TYP.) W/ STAINLESS STEEL ACORN NUTS
- PROVISIONS FOR FOUR SLOTS
- CHARLESTON WATERFRONT BENCH CASTINGS TO BE AS MANUFACTURED BY J & M FOUNDRY (REFER TO SPECIFICATIONS)
- PROVISIONS FOR FIVE SLOTS
- 1/2" GALVANIZED TIE-ROD REINFORCEMENT (TYP.) W/ STAINLESS STEEL ACORN NUTS
- LEGS PRECASTED WITH BOLT HOLES. SECURE TO PAVEMENT SLAB W/ STAINLESS STEEL ANCHOR BOLTS AND ACORN NUTS
- BRICK PAVERS, HERRING BONE FIELD
- EXPANSION JOINT, CONCEAL BELOW BRICK ADJACENT PAVEMENT

CENTER FRONT & REAR BENCH LEGS BETWEEN BRICK BORDERS

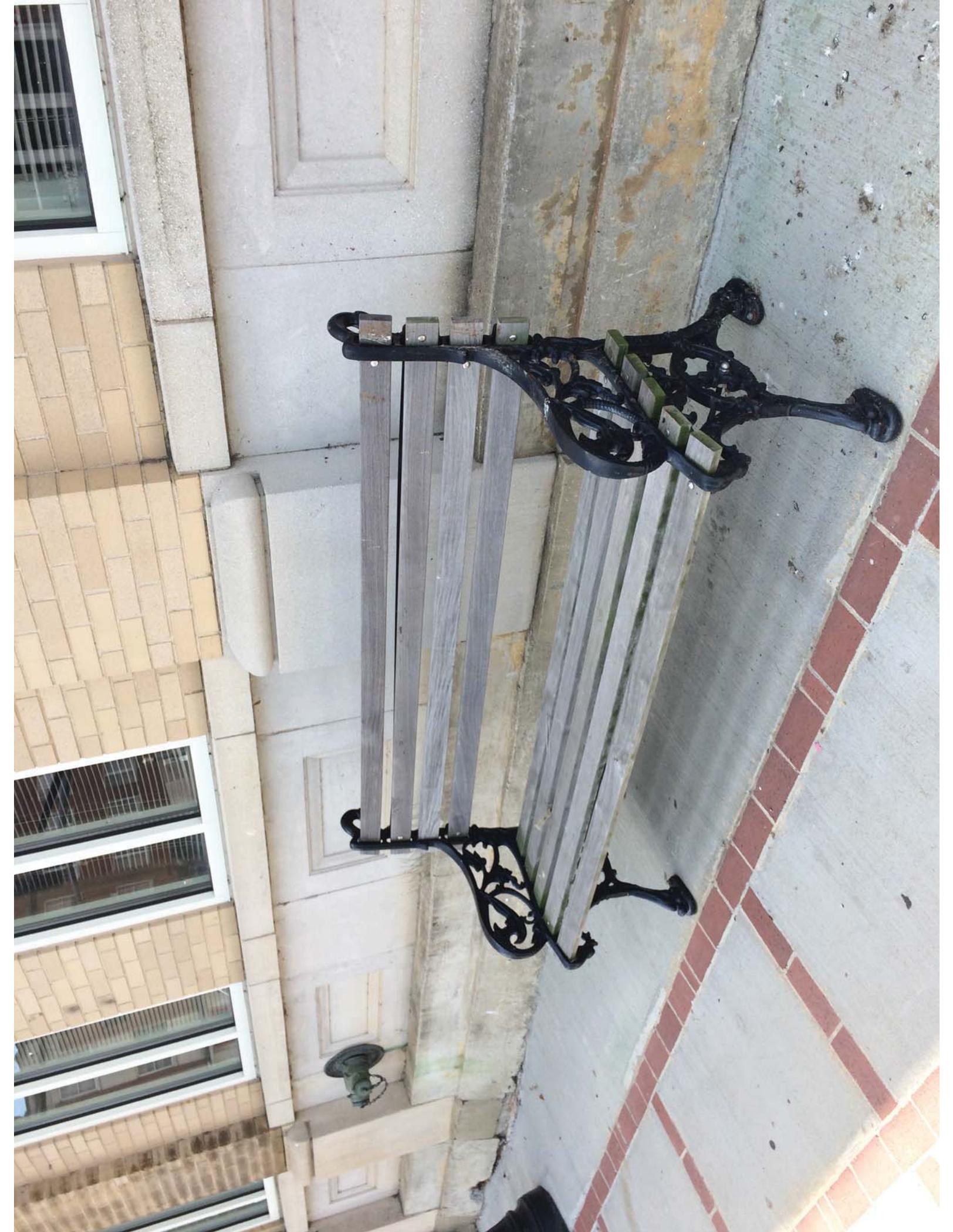


END ELEVATION

- 1/2" GALVANIZED TIE-ROD REINFORCEMENT (TYP.) W/ STAINLESS STEEL ACORN NUTS
- WOOD SLATS, NATURAL FINISH (SEE SPECS). EXTEND SLATS THROUGH DECORATIVE CAST IRON END SECTIONS
- CAST IRON END SECTIONS SHALL BE POWDER COATED W/ CHARLESTON GREEN (SEE SPECS)
- FINISH GRADE



FRONT ELEVATION





Swainsboro
Home of the
Pine Tree Festival

80 1
56

