



**City of Sonoma
Design Review Commission
AGENDA**

**Regular Meeting of September 17, 2013 - 6:30 P.M.
Community Meeting Room, 177 First Street West
Sonoma, CA 95476**

Meeting Length: **No new items will be heard by the Design Review Commission after 10:30 PM**, unless the Commission, by majority vote, specifically decides to continue reviewing items. If an item is not heard due to the length of the meeting, the Commission will attempt to schedule a special meeting for the following week. If a special meeting is necessary, potential dates will be established at the close of this meeting, and a date set as soon as possible thereafter.

CALL TO ORDER – Leslie Tippell, Chair

Commissioners: Tom Anderson
Kelso Barnett
Robert McDonald
Micaelia Randolph

COMMENTS FROM THE PUBLIC

Presentations by audience members on items not appearing on the agenda.

APPROVAL OF MINUTES

Minutes from the meeting of August 20, 2013.

CORRESPONDENCE

ITEM #1 –Sign Review

REQUEST:

Consideration of a new monument sign and a wall sign for a commercial building (Fidelity National Title).

Applicant:

Sonoma Signs/Fidelity National Title

Staff: Wendy Atkins

Project Location:

285 Second Street East

General Plan Designation:

Mixed Use (MU)

Zoning:

Planning Area: Northeast Area

Base: Mixed Use (MX)

Overlay: Historic (/H)

RECOMMENDED ACTION:

Commission discretion.

ITEM #2 – Design Review

REQUEST:

Consideration of a donor wall, fountain, flagpole, and a revised landscaping plan (Sonoma Valley Hospital).

Applicant:

Sonoma Valley Hospital

Staff: Wendy Atkins

Project Location:

347 Andrieux Street

General Plan Designation:

Public Facility (PF)

Zoning:

Planning Area:

Central-West Area

Base: Public Facility (P)

Overlay: None

RECOMMENDED ACTION:

Commission discretion.

ITEM #3 – Design Review and Sign Review

Project Location:
421 First Street West

RECOMMENDED ACTION:

Commission discretion.

REQUEST:

Consideration of new awnings and new awning signs for a restaurant (Sunflower Caffé).

General Plan Designation:

Commercial (C)

Zoning:

Planning Area:
Downtown District

Base: Commercial (C)

Overlay: Historic (/H)

Applicant:

James Hahn/Sunflower Caffé

Staff: Wendy Atkins

ITEM #4 – Design Review and Sign Review

Project Location:
35 East Napa Street

RECOMMENDED ACTION:

Commission discretion.

REQUEST:

Consideration of design review for a new ATM and a two new awning signs for a commercial building (First Republic Bank).

General Plan Designation:

Commercial (C)

Zoning:

Planning Area:
Downtown District

Base: Commercial (C)

Overlay: Historic (/H)

Applicant:

First Republic Bank

Staff: Wendy Atkins

ISSUES UPDATE

COMMENTS FROM THE COMMISSION

COMMENTS FROM THE AUDIENCE

ADJOURNMENT

I do hereby certify that a copy of the foregoing agenda was posted on the City Hall bulletin board on September 13, 2013.

ROBIN EVANS, ADMINISTRATIVE ASSISTANT

Rights of Appeal: Any decision of the Design Review Commission may be appealed to the City Council. Appeals must be filed with the City Clerk within fifteen (15) calendar days following the Design Review Commission's decision, unless the fifteenth day falls on a weekend or a holiday, in which case the appeal period ends at the close of the next working day at City Hall. Appeals must be made in writing and must clearly state the reason for the appeal. Appeals will be set for hearing before the City Council on the earliest available agenda.

Copies of all staff reports and documents subject to disclosure that relate to any item of business referred to on the agenda are available for public inspection the Monday before each regularly scheduled meeting at City Hall, located at No. 1 The Plaza, Sonoma CA, (707) 938-3681. Any documents subject to disclosure that are provided to all, or a majority of all, of the members of the Design Review Commission regarding any item on this agenda after the agenda has been distributed will be made available for inspection at the Administrative Assistant office, No. 1 The Plaza, Sonoma CA during regular business hours.

If you challenge the action of the Design Review Commission in court, you may be limited to raising only those issues you or someone else raised at the public hearing described on the agenda, or in written correspondence delivered to the Administrative Assistant, at or prior to the public hearing.

In accordance with the Americans With Disabilities Act, if you need special assistance to participate in this meeting, please contact the City Clerk (707) 933-2216. Notification 48 hours before the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting.



City of Sonoma
Design Review Commission
Agenda Item Summary

DRC Agenda Item:	1
Meeting Date:	09/17/13

Applicant

Sonoma Signs/Fidelity National Title

Project Location

285 Second Street East

Historical Significance

- Listed on National Register of Historic Places, including Sonoma Plaza district (Significant)
 - Listed on California Register of Historic Resources (Significant)
 - Listed within Local Historic Resources Survey (Potentially Significant)
 - Over 50 years old (Potentially Significant)
- Year Built: 1954

Request

Consideration of a new monument sign and a wall sign for a commercial building (Fidelity National Title).

Summary

Monument sign: A new, two-sided monument sign 13.3 square feet in area per site (3.33 feet tall by 5 feet wide) is proposed in front of the building perpendicular to the sidewalk. The sign would consist of reclaimed wood, a steel box with a rust finish, and black dimensional letters.

Wall signs: A one sided wall sign is proposed on the front of the building facing Second Street East 5.5 square feet in area (1.83 feet tall by 3 feet wide). The sign would consist of a reclaimed wood frame, metal surface, and black vinyl letters.

Aggregate Sign Area: Based on the property’s frontage on Second Street East (142 feet), the maximum aggregate sign area allowed for the parcel is 62.8 square feet. The total aggregate sign area for the property would be ±44.45 square feet, including the proposed monument sign (19.95 square feet of aggregate sign area) the proposed wall sign (5.5 square feet of aggregate sign area), and two existing wall signs (19 square feet of aggregate sign area). It should be noted that when calculating the aggregate area of a two-sided sign, each face is multiplied by 0.75 (§18.16.021). The proposal is consistent with this requirement.

Size Limitations: Each face of a one-sided sign shall not exceed 48 square feet in area (§18.16.022). The proposal is consistent with this requirement.

Sign Height: Monument signs are limited to a maximum height of 12 feet (§18.20.120). The proposed freestanding sign would have a maximum height of 3.3 feet.

Number of Signs: Only one monument sign is allowed per property, and a maximum of two signs are normally permitted for any one business (§18.16.010). The proposal complies with these requirements.

Other permits required: In addition to the requirements of this title, all signs and building improvements shall be in conformance with applicable requirements of the 2010 California Building Code and where required by the 2010 California Building Code, shall obtain a building permit prior to installation.

Commission Discussion

Design Review Commission Action

Approved Disapproved Referred to: _____ Continued to: _____

Roll Call Vote: _____ Aye _____ Nay _____ Abstain _____ Absent

DRC Conditions or Modifications

Attachments

1. *Project narrative*
2. *Site Plan & Sign Layout*

cc: Sonoma Signs
 254 First Street East
 Sonoma, CA 95476

 Caymus Capital Coml. Rental
 232 Second Street East
 Sonoma, CA 95476

 Fidelity National Title
 285 Second Street East
 Sonoma, CA 95476

Fidelity National Title

285 2nd Street East | Sonoma, California



Fidelity National Title has recently relocated to 285 2nd Street East in Sonoma. Fidelity National Title is requesting approval for a monument sign and wall sign. These signs will feature their logo and business name and serve as an identity sign for the clientele visiting their office.

Monument Sign

The new monument sign will reflect the interior style of the business and will compliment the surrounding area. The sign will consist of reclaimed wood, a steel box with a rust finish and dimensional letters. This monument sign will be the seen by drive-by traffic in both directions.

Wall Sign

The wall sign will be mounted directly to the exterior surface of the building. This sign will consist of a reclaimed wood frame, metal surface and vinyl letters, to match the monument sign.

This sign program is tasteful and in proportion with the building and within the allowed square footage for the property. No illumination is proposed. We thank you in advance for your consideration and approval of this sign program.

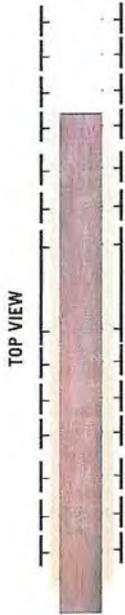
WALL MOUNT

FREESTANDING



DETAILS:

- 1/2" Black Acrylic Letters, Stud Mounted
- Steel Box with Rust Finish
- Reclaimed Wood



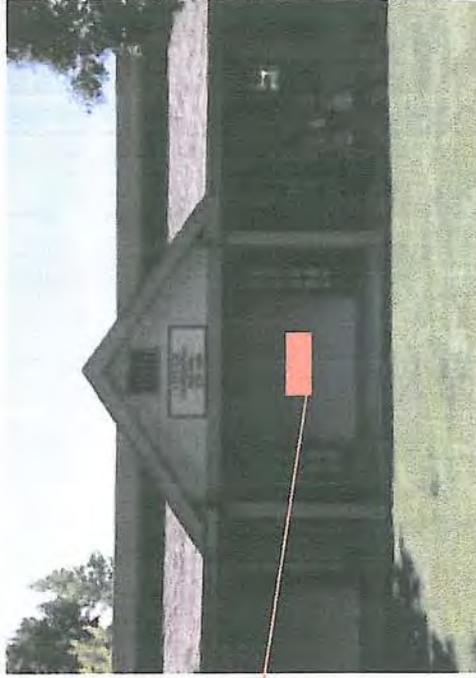
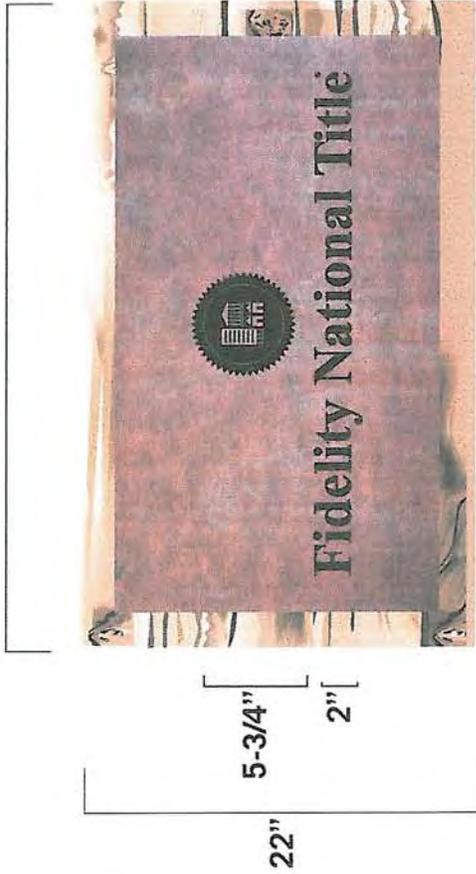
SIDE VIEW



DETAILS:

- Vinyl Letters
- Reclaimed Wood
- Steel Face with Rust Finish

36"





City of Sonoma
Design Review Commission
Agenda Item Summary

DRC Agenda Item: 2

Meeting Date: 09/17/13

Applicant

Sonoma Valley Hospital

Project Location

347 Andrieux Street

Historical Significance

- Listed on National Register of Historic Places, including Sonoma Plaza district (Significant)
- Listed on California Register of Historic Resources (Significant)
- Listed within Local Historic Resources Survey (Potentially Significant)
- Over 50 years old (Potentially Significant)

Year Built: 1975

Request

Consideration of a donor wall, fountain, flagpole, and revised landscaping (Sonoma Valley Hospital).

Background

On June 9, 2011, the Planning Commission considered and approved the site plan revisions associated with a seismic retrofit and modernization project. On July 19, 2011, the Design Review Commission (DRC) considered and approved building elevations, exterior colors and materials, and landscaping for a seismic retrofit and modernization project. On September 23, 2011, the DRC considered and approved temporary exterior colors for the project site. On December 20, 2011, the DRC considered and approved revised exterior colors for the hospital. On February 19, 2013, the DRC considered and approved a new sign program for a hospital.

Summary

At this time the applicant is proposing a donor wall, a fountain, a flagpole, revised landscaping, and additional outdoor lighting.

Donor wall: An 8-foot tall by 37.5-foot wide donor wall is proposed on the southwest portion of the property (east of the parking area). The donor wall will consist of steel posts and a curved steel frame at both the top and the bottom of the wall. The steel frame will be painted Matthews polyurethane paint Diesel CL2877N by ColorLife in color. Stainless steel rods will run horizontally to grip the individual plaques in place. The individual plaques will consist of ¼ inch thick aluminum panel with eased edges and corners painted. The size of the individual plaques has not yet been determined. The individual plaques will be painted with five different colors (see attached color samples):

- MP 46765 Temple Bronze Metallic.
- MP 42080 Golden Clay Metallic.
- MP 20356 Golden Bronze Metallic.
- MP 45031 Briny Bronze Metallic.
- MP 50639 Seared Gold Metallic.

Copy on the plaques will consist of paint-filled yellow routing, which will vary in height.

Fountain: A 4-foot tall cortile fountain is proposed on the southwest portion of the property (east of the parking area) east of the donor wall. The fountain will consist of cast stone, brown in color.

Flagpole: A 30-foot tall flag pole is proposed on the southwest portion of the property (north of the generator area). The flag pole will be constructed of an aluminum material.

Landscaping: New concrete walkways are proposed to improve access to and through the courtyard. In addition, a small turf area is proposed along with other low water consumption plant varieties.

Water Efficient Landscape Ordinance: A legend listing proposed species and planting sizes is provided for reference. In addition, water budget calculations prepared by the landscape architect (attached) demonstrate compliance with Sonoma Municipal Code §14.32, Water Efficient Landscaping. The calculations indicate that the proposed landscaping would utilize 161,137 gallons or 86% of the associated annual water budget allotment of 186,473.2 gallons.

Lighting: Lighting to illuminate the donor wall, fountain, and walkways is proposed in the form of the following:

- Three SG1 bollards are proposed to illuminate the new walkway.
- Ten SH twin sign lights are proposed to illuminate the donor wall.

- Three SJ uplights are proposed to illuminate the flagpole.
- Three SK accent lights are proposed to illuminate the trees near the donor wall.
- Two SL flood lights are proposed to illuminate the fountain.

The applicant has indicated that the outdoor lights for the “entry forecourt” will be illuminated from sunset to sunrise.

Other permits required: In addition to the requirements of this title, the donor wall and lighting shall be in conformance with applicable requirements of the 2010 California Building Code and where required by the 2010 California Building Code, shall obtain a building permit prior to installation.

Commission Discussion

Design Review Commission Action

Approved Disapproved Referred to: _____ Continued to: _____

Roll Call Vote: _____ Aye _____ Nay _____ Abstain _____ Absent

DRC Conditions or Modifications

Attachments:

1. Project narrative
2. Water use calculations
3. Flagpole specifications
4. Lighting specifications
5. Electrical systems drawings
6. Planting plan
7. Exterior donor wall display drawings
8. Fountain picture

cc: Sonoma Valley Hospital
Attn: Kelly Mather, CEO
347 Andrieux Street
Sonoma, CA 95476

Sonoma Valley Hospital
Attn: Steve Smith
347 Andrieux Street
Sonoma, CA 95476

Peter Hororst, Chair, SVH District Board (via email)

Nacht and Lewis Architects
Attn: John Flath (via email)

Nacht and Lew Architects
Attn: DeAnn Splinter (via email)

Norman Gilroy (via email)

Sonoma Valley Hospital Donor Courtyard



nacht&lewis

Team Members:

Sonoma Valley Hospital
Luke Manning, JTech HCM, Owner Representative
Otto Construction/Nacht and Lewis Architects

Sonoma Valley Hospital wishes to submit a revised and enhanced design for the Hospital's "entry forecourt" to include a "Donor Wall" and fountain honoring all of those who contributed to the fundraising campaign to support the ongoing Sonoma Valley Hospital renovation project.

Revisions / enhancements include:

1. A curvilinear form donor wall approximately 8'-0" in height made from materials that compliment the hospital's newly proposed entry canopy (see elevations provided)
2. A central fountain water element juxtaposed to the donor wall to add interest to the balance of the courtyard and introduce the sound of running water into the space.
3. A flagpole located near the entry to the courtyard
4. Introduction of new concrete walks to improve access to and through the courtyard, introduction of a small turf to allow for sitting and relaxation space balanced with low other plant varieties featuring low water consumption and the introduction of several plants with healing qualities to further reinforce the original healing garden concept.
5. Modified lighting to illuminate the donor wall, fountain and walkways has also been introduced.



1717 2ND STREET
SACRAMENTO, CA 95811
Ph: 916 441-6870

Submittal

Job: 10-1002-00
SONOMA VALLEY HOSPITAL
347 Andrieux Street
Sonoma, CA 95476

Spec Section No: INC 3 - 10140

Submittal No: 1

Revision No: 0

Sent Date: 9/10/2013

Spec Section Title:

Submittal Title: Donor Wall Plaque Color Samples

Contractor:
OTTO CONSTRUCTION
John Hayward

Contractor's Stamp

OTTO CONSTRUCTION
Otto has reviewed this submittal for general conformance with the contract documents
Project No: See Above
Submittal No: See Above
Date: 09/13/2013
Reviewed By Isarmiento

Sonoma Valley Hospital
Kimberly Drummond
Approved by SVH on 09/11/13, see following page for sign-off.

Architect's Stamp

Engineer's Stamp

HACKLEY ARCHITECTURAL SIGNAGE COLOR SAMPLE

Date 8/28/13 Client Otto Construction

Job # 13-7663 Project Color Sample

Color Name MP 46765 Temple Bronze Metallic

Approved By: _____

AKD

HACKLEY ARCHITECTURAL SIGNAGE COLOR SAMPLE

Date 8/28/13 Client: Otto Construction

Job # 13-7663 Project Color Sample

Color Name MP42080 Golden Clay Metallic

Approved By: _____

AKD

HACKLEY ARCHITECTURAL SIGNAGE COLOR SAMPLE

Date 8/28/13 Client: Otto Construction

Job # 13-7663 Project Color Sample

Color Name MP20356 *Golden Bronze Metallic*

Approved By: _____

AKD

HACKLEY ARCHITECTURAL SIGNAGE COLOR SAMPLE

Date 8/28/13 Client Otto Construction

Job # 13-7663 Project Color Sample

Color Name MP 45031 Briny Bronze Metallic

Approved By: _____

AKD

HACKLEY ARCHITECTURAL SIGNAGE COLOR SAMPLE

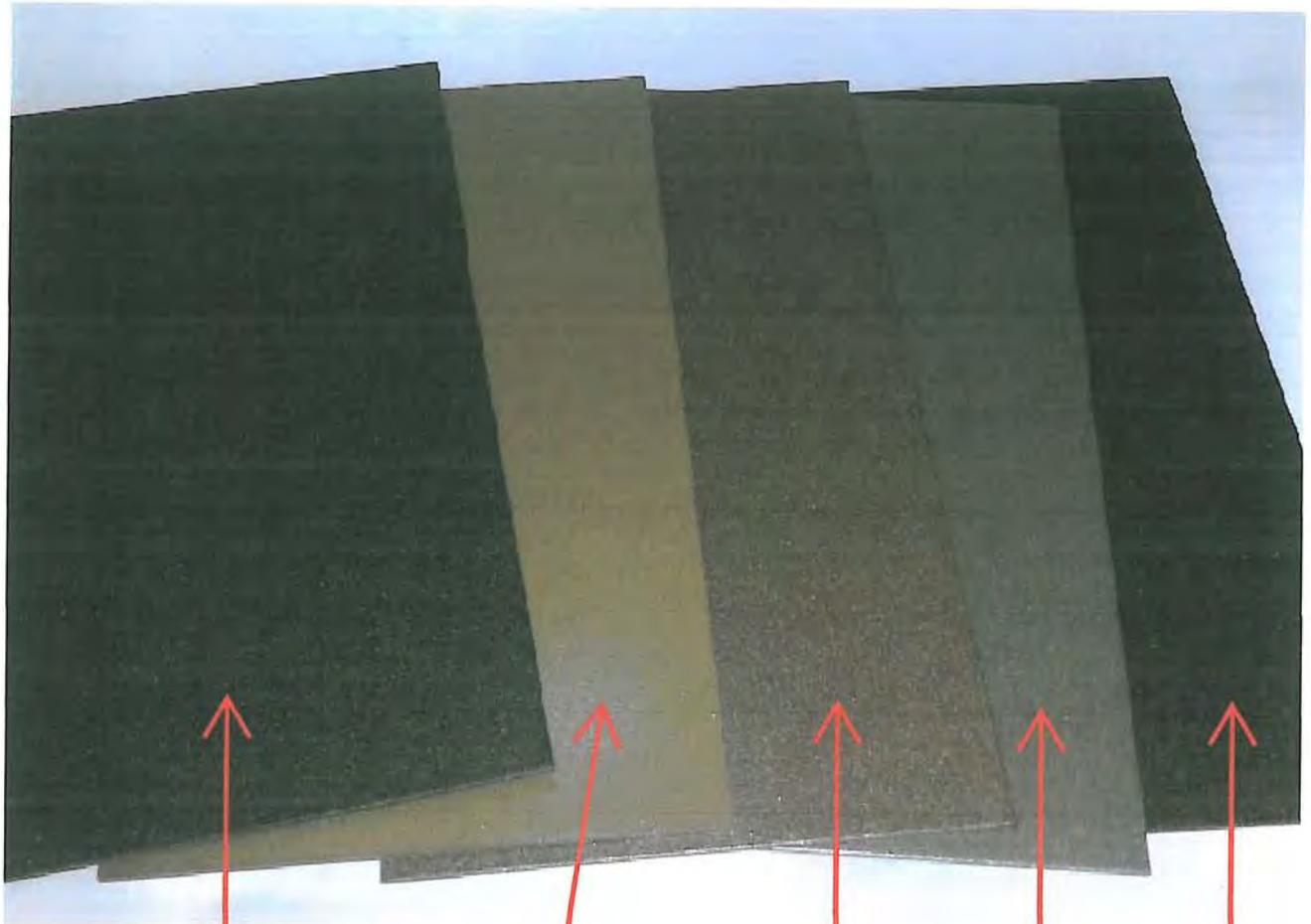
Date 8/28/13 Client: Otto Construction

Job # 13-7663 Project Color Sample

Color Name MP50639 Seared Gold Metallic

Approved By: _____

AKD



Color MP 46765
Temple Bronze
Metallic

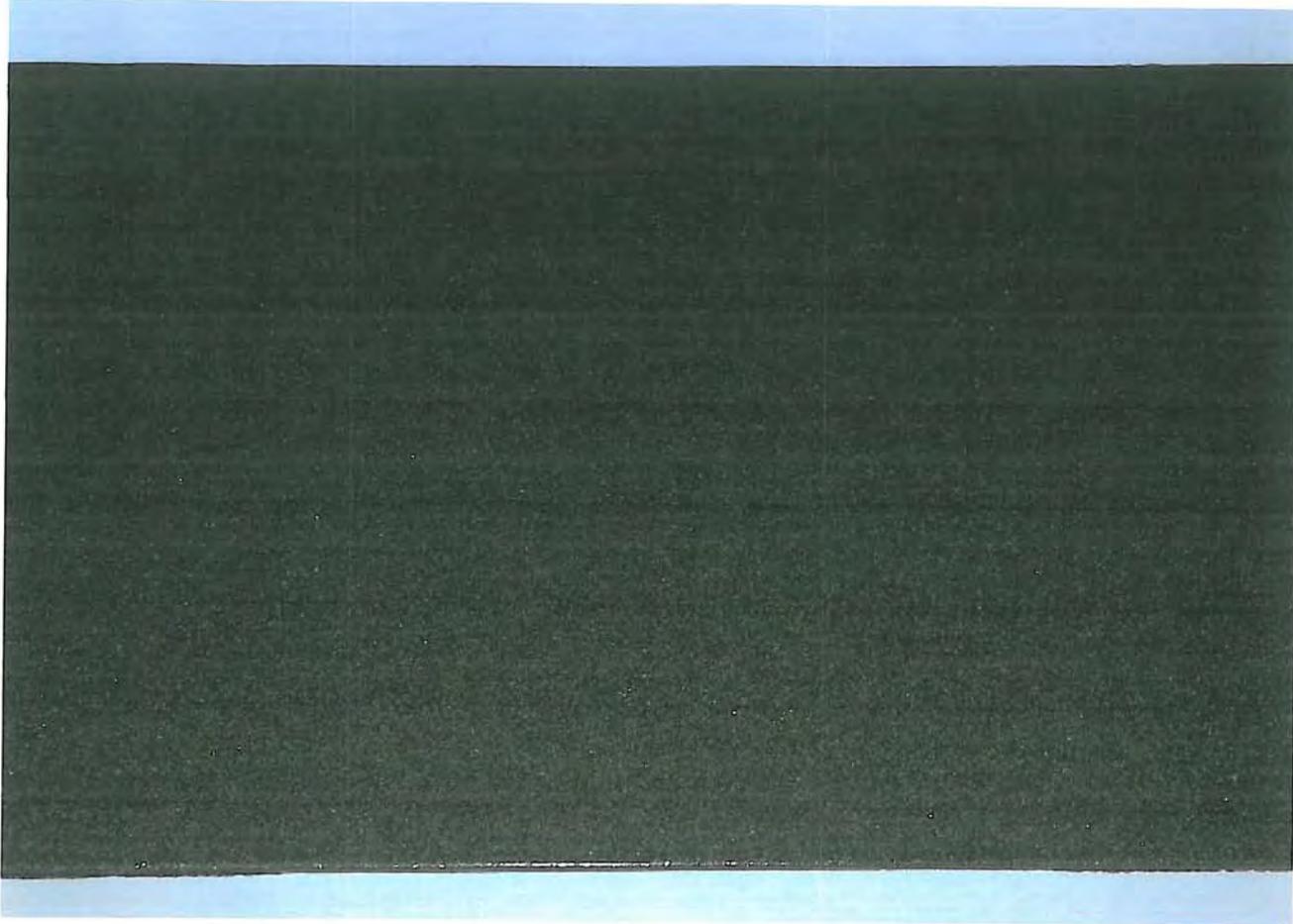
Color MP 42080
Golden Clay Metallic

Color MP
45031 Briny
Bronze
Metallic

Color MP 20356
Golden Bronze Metallic

Color MP
~~45031~~ Briny
Bronze
Metallic

50639
Seared
Gold
Metallic



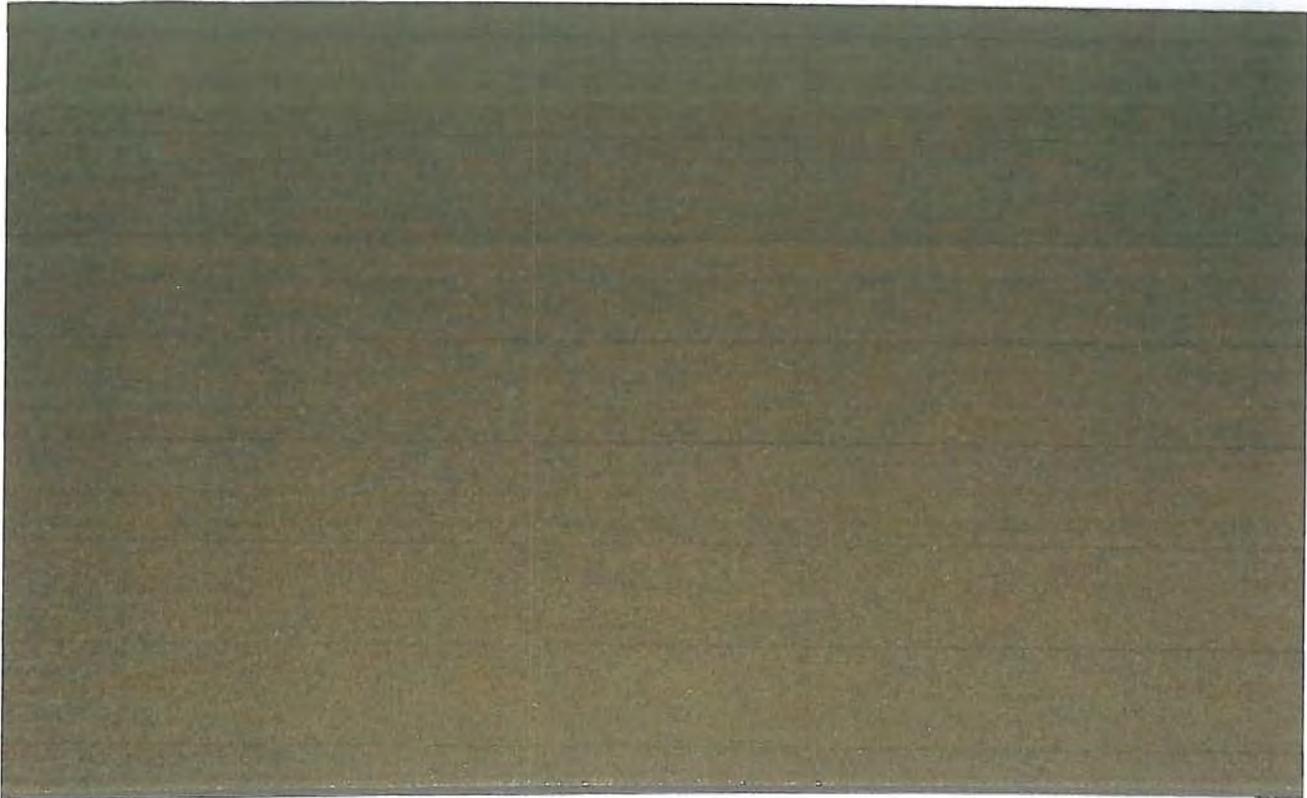
HACKLEY ARCHITECTURAL SIGNAGE COLOR SAMPLE

Date 8/28/13 Client Otto Construction

Job # 13-7663 Project Color Sample

Color Name MP 46765 Temple Bronze Metallic

Approved By: _____



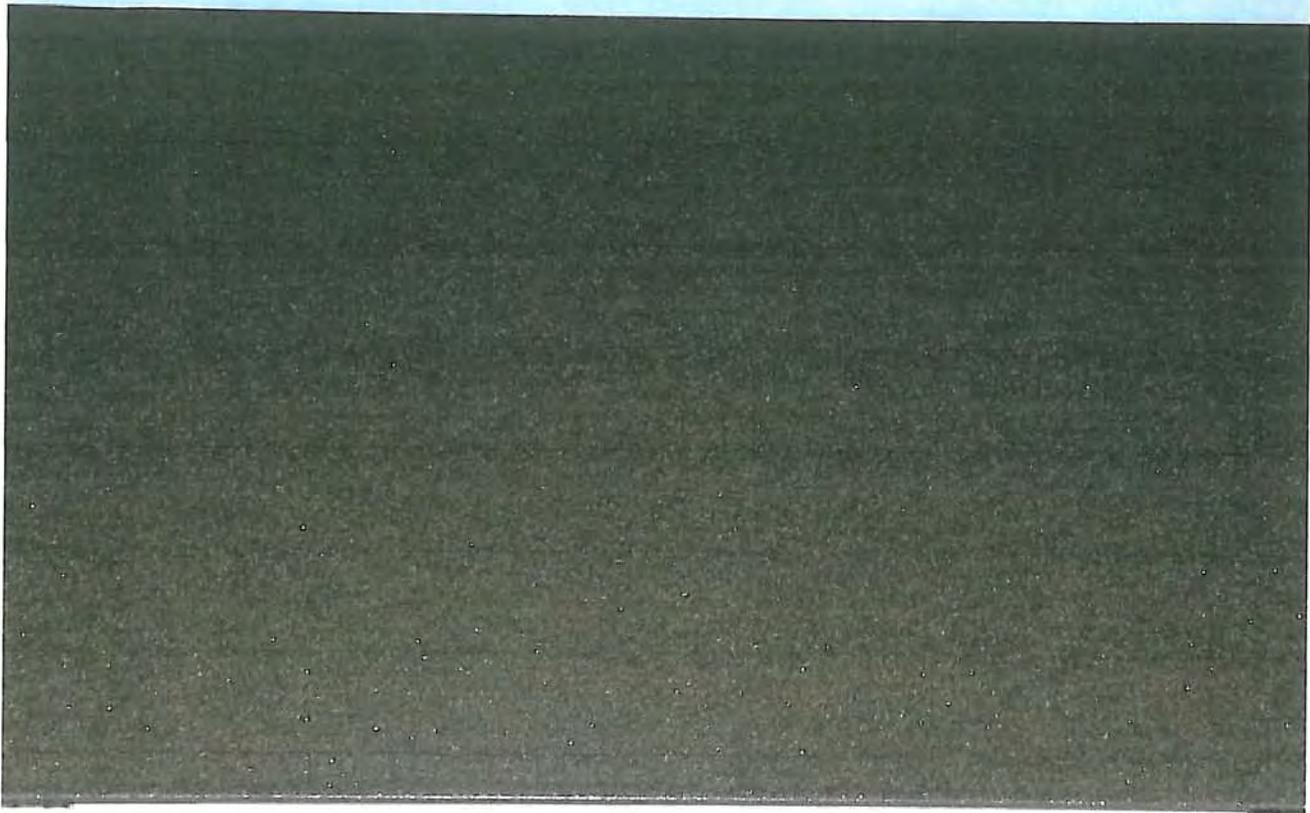
HACKLEY ARCHITECTURAL SIGNAGE COLOR SAMPLE

Date 8/28/13 *Client:* Otto Construction

Job # 13-7663 *Project* Color Sample

Color Name MP42080 Golden Clay Metallic

Approved By: _____



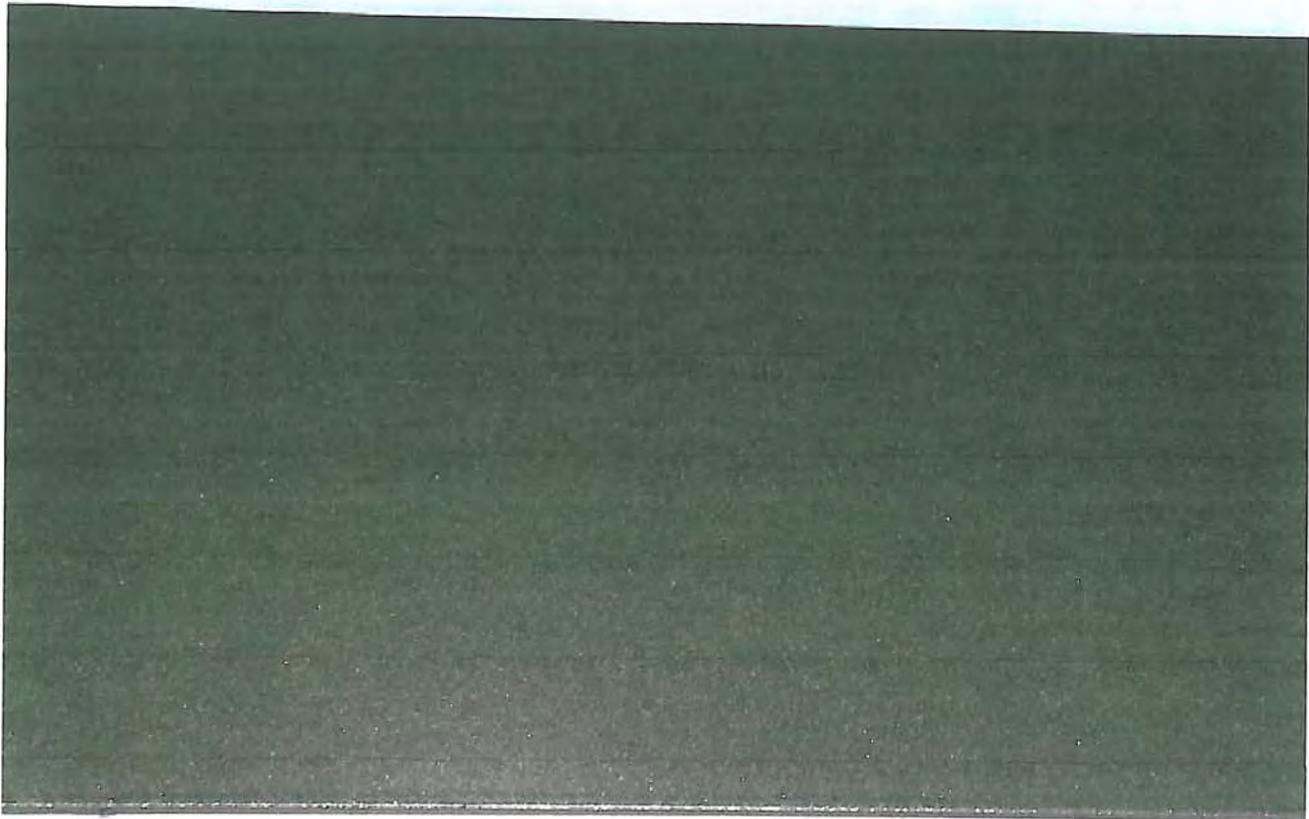
HACKLEY ARCHITECTURAL SIGNAGE COLOR SAMPLE

Date 8/28/13 Client: Otto Construction

Job # 13-7663 Project Color Sample

Color Name MP20356 *Golden Bronze Metallic*

Approved By: _____



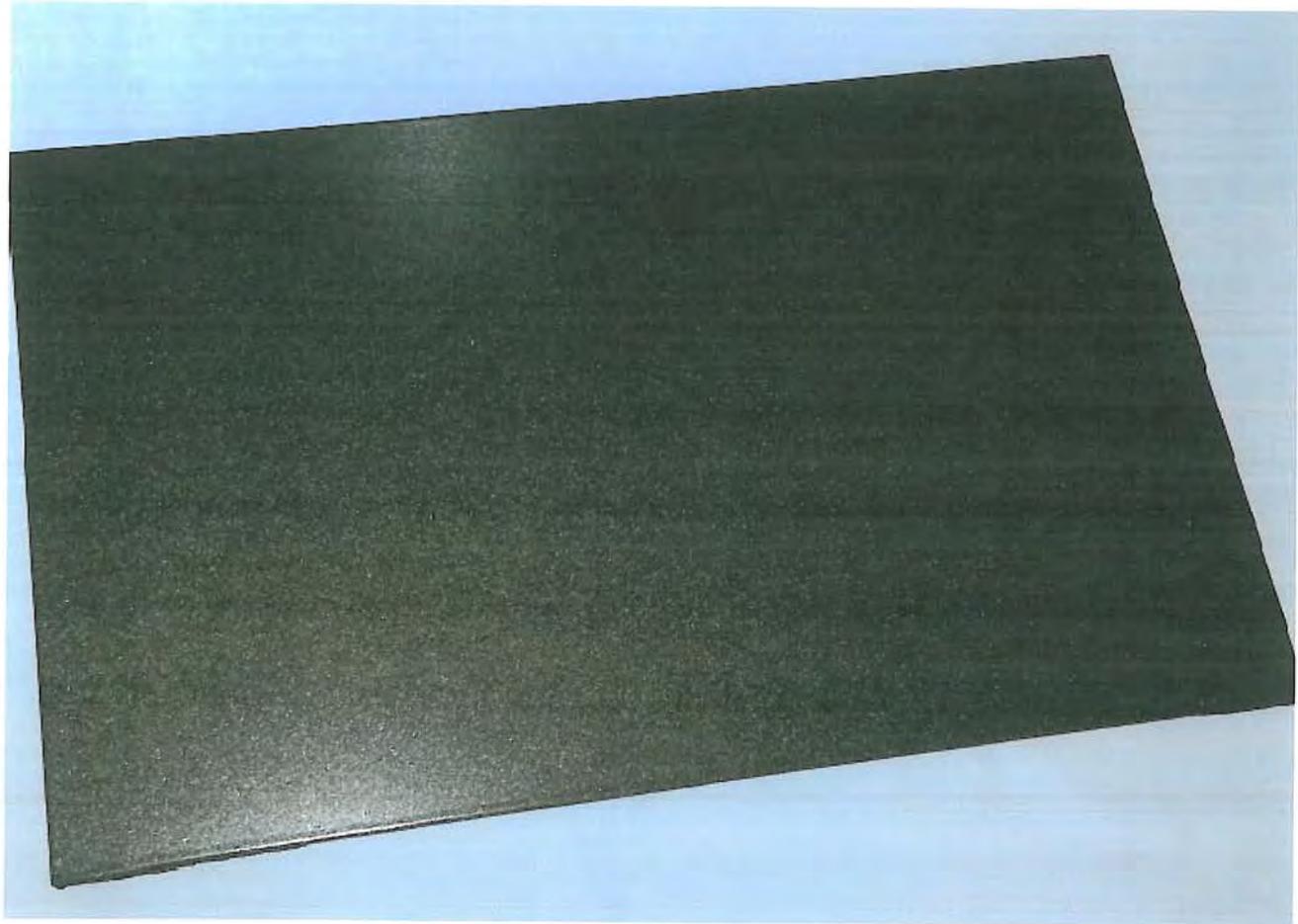
HACKLEY ARCHITECTURAL SIGNAGE COLOR SAMPLE

Date 8/28/13 *Client* Otto Construction

Job # 13-7663 *Project* Color Sample

Color Name MP 45031 Briny Bronze Metallic

Approved By: _____



HACKLEY ARCHITECTURAL SIGNAGE COLOR SAMPLE

Date 8/28/13 Client: Otto Construction

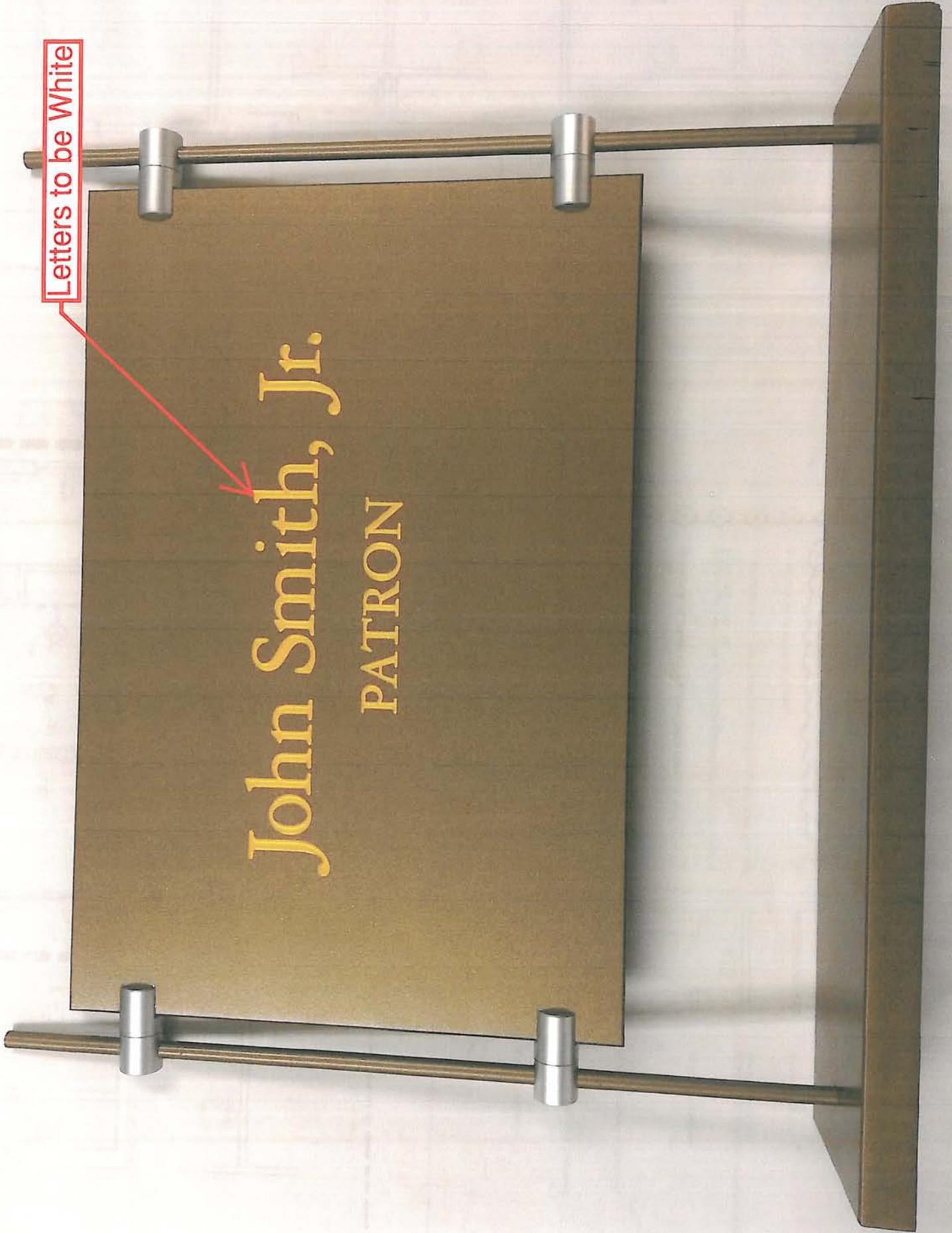
Job # 13-7663 Project Color Sample

Color Name MP50639 Seared Gold Metallic

Approved By: _____

Letters to be White

John Smith, Jr.
PATRON



Bettencourt Street

CITY OF SONOMA
HYDROZONE TABLE FORM
Revised: 11/11/10

This documentation form shall be used in compliance with the City's Water Efficiency Landscape Ordinance as codified in Chapter 14.32 of the Sonoma Municipal Code. This Form is a simple form version of what is provided by the State of California. The Applicant may choose to use the more complex State form as codified in Chapter 2.7, Model Water Efficient Landscape Ordinance, California Code of Regulations, Title 23.

Hydrozone*	Zone or Valve	Irrigation Method	Area	% of Landscape Area
High water use				
High water use	E10	Subsurface Drip	580 sq ft	0.19
Medium water use	E1	Drip	77 sq ft	0.02
Medium water use	E2	Drip	243 sq ft	0.08
Low water use	E3	Drip	1,169 sq ft	0.37
Low water use				
SLA	E11	Drip	1,050 sq ft	0.34
		Total	3,119 sq ft	100%

Summary Hydrozone Table		
Hydrozone*	Area (Square Feet)	% of Landscape Area
High water use		
High water use	580 sq ft	1.9%
Medium water use	77 sq ft	2.5%
Medium water use	243 sq ft	7.8%
Low water use	1,169 sq ft	37.2%
Low water use SLA	1,050 sq ft	33.7%
	Total	100%
	3,119 sq ft	

Gretchen Stranzel McCann
GSM landscape architects, inc.

Submitted by: (Print)

 (Signature)

8/20/13 (Date)

Bettencourt Street

CITY OF SONOMA
MAXIMUM APPLIED WATER ALLOWANCE FORM

Revised: 12/15/10

This documentation form shall be used in compliance with the City's Water Efficiency Landscape Ordinance as codified in Chapter 14.32 of the Sonoma Municipal Code. This Form is a simple form version of what is provided by the State of California. The Applicant may choose to use the more complex State form as codified in Chapter 2.7, *Model Water Efficient Landscape Ordinance*, California Code of Regulations, Title 23.

Maximum Applied Water Allowance (MAWA) Calculations

The project's MAWA is calculated as follows:

$$\text{MAWA} = (\text{ETo})(0.62) \times [(\text{ETAF} \times \text{LA}) + (0.3 \times \text{SLA})]$$

where:

- MAWA = Maximum Applied Water Allowance, or Water Budget (gallons/year)
- ETo = Reference Evapotranspiration for Sonoma, or 46.1 (inches/year)
- 0.62 = Conversion Factor (to gallons per square foot)
- ETAF = ET adjustment factor for Sonoma, or 0.60
- LA = Landscaped Area, including SLA (square feet)
- SLA = Portion of the LA identified as Special Landscape Area (square feet)

Show calculations:

$$\text{MAWA} = 28.58 \times \left[(0.60 \times \frac{3,119}{\text{LA}}) + (0.3 \times \frac{1,050}{\text{SLA}}) \right] = \underline{62,476} \text{ gallons/year}$$

Bettencourt Street

Estimated Total Water Use Calculations

The project's Estimated Total Water Use is calculated as follows:

$$ETWU = (ETo)(0.62)[(PF \times HA)/IE] + SLA$$

where:

- ETWU = Estimated total water use per year (gallons/year)
- ETo = Reference Evapotranspiration for Sonoma, or 46.1 (inches/year)
- 0.62 = Conversion Factor (to gallons per square foot)
- PF = Plant Factor from WUCOLS as follows: 0.30 for Low water-use plantings; 0.6 for Medium; 1.0 for High
- HA = Hydrozone Area [high, medium, and low water use areas] (square feet) -- see Hydrozone Table Form
- SLA = Special Landscape Area (square feet)
- IE =

Irrigation Efficiency (IE) Table	
Percent of total landscape irrigated with Drip	
0 - 25%	0.71
26 - 50%	0.75
51 - 75%	0.80
76 - 100%	0.85
Manual watering	1.00

ETWU Calculations (show calculations)					
PF	HA Sq. Ft.	IE (See IE Table)	PF x HA IE (a)	SLA Sq. Ft. (b)	ETWU = $28.58 \times \frac{PF \times HA}{IE} + 28.58 \times SLA$
1.0	580	0.85	682.4		$(28.58 \times \frac{682.4}{0.85}) + (28.58 \times 0) = 19,503.0$ gallons/year
.6	77	0.85	54.4		$(28.58 \times \frac{54.4}{0.85}) + (28.58 \times 0) = 1,554.8$ gallons/year
.6	243	0.85	171.5	1,050	$(28.58 \times \frac{171.5}{0.85}) + (28.58 \times 1,050) = 34,910.4$ gallons/year
.3	1,169	0.85	412.6		$(28.58 \times \frac{412.6}{0.85}) + (28.58 \times 0) = 11,792.1$ gallons/year
ETWU					Sum of above = 67,760.3 gallons/year

Statement of Compliance:

This MAWA Form has been prepared by me or under my general direction. As required under the City's Water Efficient Landscape Ordinance, the landscaping and irrigation system has been designed such that the Estimated Total Water Use for the landscaped area is less than the Maximum Applied Water Allowance (i.e., "water budget").

Note: Total ETWU is less than MAWA for combined total for Bettencourt St. area and Andrieu St. / Fourth St. W area.

Gretchen Stranzi McCann (Print)
GSM landscape architects, inc.

 (Signature)

8/20/13 (Date)

Andrieux Ct / fourth Ct. W

CITY OF SONOMA
 HYDROZONE TABLE FORM
 Revised: 11/11/10

This documentation form shall be used in compliance with the City's Water Efficiency Landscape Ordinance as codified in Chapter 14.32 of the Sonoma Municipal Code. This Form is a simple form version of what is provided by the State of California. The Applicant may choose to use the more complex State form as codified in Chapter 2.7, Model Water Efficient Landscape Ordinance, California Code of Regulations, Title 23.

Hydrozone*	Zone or Valve	Irrigation Method	Area	% of Landscape Area
High water use				
High water use				
Medium water use	E1/E6	Drip	777#	0.01
Medium water use	E5/E7/E9	Drip	1949#	0.27
Low water use	E4/E8	Drip	5205#	0.72
Low water use				
Total				100%

Summary Hydrozone Table		
Hydrozone*	Area (Square Feet)	% of Landscape Area
High water use		
High water use		
Medium water use	777	0.01
Medium water use	1949	0.27
Low water use	5205	0.72
Low water use		
Total		100%

Submitted by: Bretchen McCann (Print)

 (Signature)

7/5/2011 (Date)

Andrieux St. / Fourth St. E

CITY OF SONOMA
MAXIMUM APPLIED WATER ALLOWANCE FORM
Revised: 12/15/10

This documentation form shall be used in compliance with the City's Water Efficiency Landscape Ordinance as codified in Chapter 14.32 of the Sonoma Municipal Code. This Form is a simple form version of what is provided by the State of California. The Applicant may choose to use the more complex State form as codified in Chapter 2.7, *Model Water Efficient Landscape Ordinance*, California Code of Regulations, Title 23.

Maximum Applied Water Allowance (MAWA) Calculations

The project's MAWA is calculated as follows:

$$\text{MAWA} = (\text{ET}_o)(0.62) \times [(\text{ETAF} \times \text{LA}) + (0.3 \times \text{SLA})]$$

where:

- MAWA = Maximum Applied Water Allowance, or Water Budget (gallons/year)
- ET_o = Reference Evapotranspiration for Sonoma, or 46.1 (Inches/year)
- 0.62 = Conversion Factor (to gallons per square foot)
- ETAF = ET adjustment factor for Sonoma, or 0.60
- LA = Landscaped Area, including SLA (square feet)
- SLA = Portion of the LA identified as Special Landscape Area (square feet)

Show calculations:

$$\text{MAWA} = 28.58 \times \left[(0.60 \times \frac{7231}{\text{LA}}) + (0.3 \times \frac{0}{\text{SLA}}) \right] = 123,997.2 \text{ gallons/year}$$

Andrioux St / fourth St. W

Estimated Total Water Use Calculations

The project's Estimated Total Water Use is calculated as follows:

$$ETWU = (ETo)(0.62)[(PF \times HA)/IE] + SLA$$

where:

- ETWU = Estimated total water use per year (gallons/year)
- ETo = Reference Evapotranspiration for Sonoma, or 46.1 (inches/year)
- 0.62 = Conversion Factor (to gallons per square foot)
- PF = Plant Factor from WUCOLS as follows: 0.30 for Low water-use plantings; 0.6 for Medium; 1.0 for High
- HA = Hydrozone Area (high, medium, and low water use areas) (square feet) – see Hydrozone Table Form
- SLA = Special Landscape Area (square feet)
- IE =

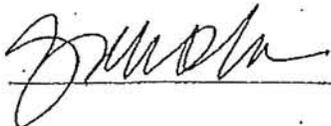
Irrigation Efficiency (IE) Table	
Percent of total landscape irrigated with Drip	
0 – 25%	0.71
26 – 50%	0.75
51 – 75%	0.80
76 – 100%	0.85
Manual watering	1.00

ETWU Calculations (show calculations)					
PF	HA Sq. Ft.	IE (See IE Table)	PF x HA IE (a)	SLA Sq. Ft. (b)	ETWU = $28.58 \times \frac{PF \times HA}{IE} + 28.58 \times SLA$
.6	777	.85	541.4	N/A	$(28.58 \times \frac{541.4}{.85}) + (28.58 \times 0) = 1,554.8$ gallons/year
.6	1,949	.85	1,375.8	N/A	$(28.58 \times \frac{1,375.8}{.85}) + (28.58 \times 0) = 3,930.4$ gallons/year
.3	5,205	.85	1,837	N/A	$(28.58 \times \frac{1,837}{.85}) + (28.58 \times 0) = 59,301.5$ gallons/year
					$(28.58 \times \frac{\quad}{(a)}) + (28.58 \times \frac{\quad}{(b)}) = \quad$ gallons/year
ETWU					Sum of above = 93,376.7 gallons/year

Statement of Compliance:

This MAWA Form has been prepared by me or under my general direction. As required under the City's Water Efficient Landscape Ordinance, the landscaping and irrigation system has been designed such that the Estimated Total Water Use for the landscaped area is less than the Maximum Applied Water Allowance (i.e., "water budget").

Gretchen McCann (Print)

 (Signature)

7/5/2011 (Date)

L.Ph. Bolander & Sons Inc.

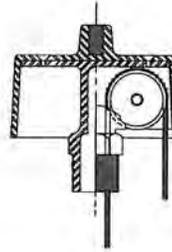
1355 Evans Ave.
San Francisco, Calif. 94124
800/434-5611

Quality Flagpoles Since 1885
Bolanderflagpole.com

**TILT BASE CONE TAPERED
ALUMINUM FLAGPOLES
CAM CLEAT CONCEALED HALYARD**

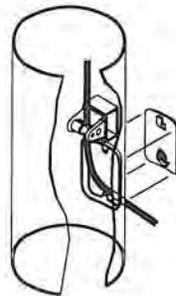
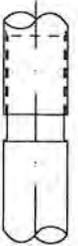
- Gold Anodized Spun Aluminum Ball with Flush Seam
- Bronze Swivel Snaps with White Vinyl Cover
- Polyester Halyard
- Stainless Quick Link, Vinyl Coated Weight, Beaded Sling with Vinyl Covered Bronze Swivel Snap.
- Locking Access Door with Keyed Cylinder Lock
- Finish: #312 medium bronze Duranodic finish

STATIONARY NON-FOULING TRUCK DETAIL
Aluminum Body, cast Delrin Sheave on Stainless Steel Pin and Stainless Steel Ferrule for Halyard longevity

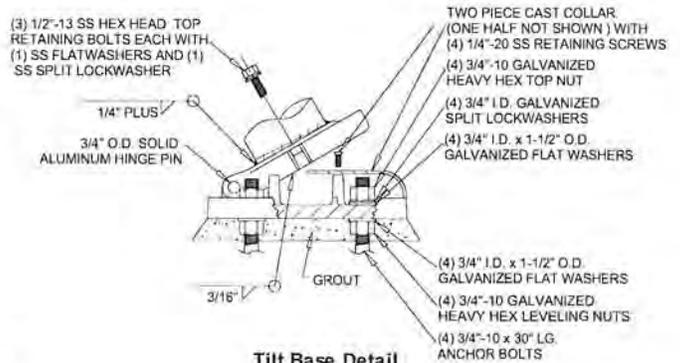


SELF ALIGNING INTERNAL SLEEVE

This pre-fitted, shop machined sleeve is designed to allow for the field assembly, without welding, of large shafts which must be shipped in sections. Proper mating of the numbered parts will result in a fine hair line joint.



Cam Cleat Assembly with Locking Access Door



Tilt Base Detail



Cast Aluminum Tilt Base Assembly

Pole Dia.	Min-Max Bolt Circle	Bolt Projection	Bolt Size
4"	8.5"-10"	3.5"	3/4"x30"
5"	8.8"-10"	3.5"	3/4"x30"
6"	8.5"-10"	3.5"	3/4"x30"

Exposed Height	Exposed			
	A	B	C	D
20'	30"	32"	30"	24"
25'	30"	3'6"	30"	24"
30'	30"	3'6"	30"	24"
35'	30"	4'	36"	30"

These recommended foundations are only minimums. Dimensions may vary according to soil and wind conditions at location of installation.

Exposed Height	Overall Height	Diameter		Wall Thickness	Length		Ball Dia.	Halyard Dia.	Ship Sections	Anchor Bolt	Flag Size	Shipping Weight
		Butt	Top		Tapered	Straight						
LTBJS20'	20'	5"	3"	.125"	11'8"	8'4"	5"	5/16"	1	3/4"x30"	3'x5'	122#
HTBJS20'	20'	5"	3"	.188"	11'	9'	5"	5/16"	1	3/4"x30"	3'x5'	146#
LTBJS25'	25'	5"	3"	.125"	15'	10'	5"	5/16"	1	3/4"x30"	4'x6'	130#
LTBJS25'	25'	5"	3"	.156"	15'	10'	5"	5/16"	1	3/4"x30"	4'x6'	140#
HTBJS25'	25'	5"	3"	.188"	11'	15'	5"	5/16"	1	3/4"x30"	4'x6'	155#
LTBJS30'	30'	5"	3"	.156"	17'3"	12'9"	6"	5/16"	1 or 2	3/4"x30"	5'x8'	146#
HTBJS30'	30'	6"	3.5"	.156"	17'3"	12'9"	6"	5/16"	1 or 2	3/4"x30"	5'x8'	185#
HTBJS30'	30'	6"	3.5"	.188"	17'3"	12'9"	6"	5/16"	1 or 2	3/4"x30"	5'x8'	205#
LHTBJS35'	35'	6"	3.5"	.188"	20'	15'	6"	5/16"	1 or 2	3/4"x30"	5'x8'	221#

L. Ph. Bolander & Sons
Flagpoles Since 1885

TILT BASE, INTERNAL HALYARD, CONE TAPERED ALUMINUM FLAGPOLES

Specifications

GENERAL. Bolander Internal Halyard aluminum flagpoles are made from all new, heat treated, seamless 6063-T6 tubing and are designed to withstand minimum winds of 100 MPH. All shafts are uniformly cone tapered approximately 1" in every 5'6".

Overall lengths up to 27'6" can be fabricated in one piece and shipped via motor freight to almost any destination. Longer lengths requiring shipment in two sections shall be factory fitted with self aligning flush seam field joint, requiring no welding.

All poles are highly polished with fine grain aluminum oxide cloths resulting in a high quality deep luster finish. This extremely fine grain finish provides a elegant soft sheen while remaining maintenance free. Optional Duranodic and Clear anodizing finishes are available upon request as well as a full line of powder coating.

Upon completion of polishing, the poles are spiral wrapped in tire paper and shipment is made in a hard fiber tube to protect the finish.

STANDARD FITTINGS. Fittings listed below are standard on all ground mounted LTBJ and HTBJ internal halyard flagpoles.

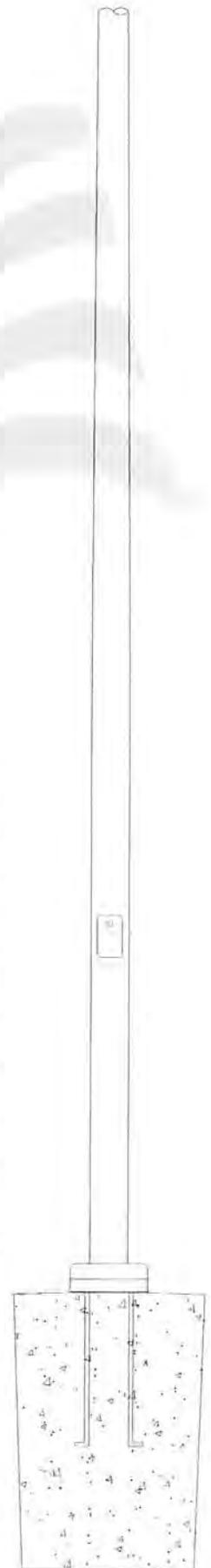
TRUCK. Cast of virgin aluminum and shall be one sheave, internal, stationary, non-fouling.

BALL. Constructed of 14ga. aluminum, with flush seam and gold anodized for color and durability.

HALYARD. Shall be white, UV resistant Polyester, of length for pole height, with white vinyl covered brass flag snaps

CAM CLEAT. No maintenance, self locking, non-corrosive materials, mounted inside the pole.

TILT BASE. Shall be cast Aluminum Hinged Tilt Base with built in flash collar. Pole is tilted by removal of three 1/2" stainless steel hex head cap screws.



Catalog Number	KBA8 70M R5 LV
Notes	
Type	SG1

FEATURES & SPECIFICATIONS

INTENDED USE — For walkways, plazas or pedestrian areas. **Certain airborne contaminants can diminish integrity of acrylic. Click here for Acrylic Environmental Compatibility table for suitable uses.**

CONSTRUCTION — Extruded one-piece aluminum, 0.156" wall thickness. Top cover is 0.156" wall cast aluminum. When louvers are used, top is secured to housing with three concealed allen screws. 42" overall height standard. Closed-cell EPDM gasketing is included. Four 1/2" x 11" anchor bolts with double nuts and washers (shipped separately). 4-1/2" bolt circle template included.

Finish: Standard finish is dark bronze (DDB) polyester powder, electrostatically applied and oven-cured. Other colors available as options.

OPTICS — Hydroformed, fluted, anodized, aluminum upper reflector combined with spun aluminum, anodized, flared cone is standard. Cylindrical lower reflectors or cast-aluminum louvers also available. Lens is clear, seamless 100% virgin acrylic, 1/4" wall, flush fitting. Gasketed, fluted glass enclosure, when louvers are used.

ELECTRICAL — High pressure sodium and metal halide are high-reactance, high-power-factor ballasts. Ballasts are 100% factory-tested for reliable operation. Electrical components are tray-mounted with quick-disconnect plug and are accessible through bottom of bollard. Porcelain, vertically oriented, medium-base pulse-rated porcelain socket with copper alloy, nickel-plated shell and center contact.

LISTINGS — UL listed for wet locations. Listed and labeled to comply with Canadian standards (see Options).

NOTE: Specifications subject to change without notice.



KBA



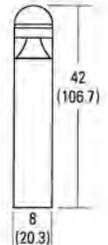
KBC

KBD

KBR

*Weight: 25.1-34.9 lbs. (11.4-15.9 kgs.)
*Weight as configured in example below.

All dimensions are inches (centimeters) unless otherwise specified.



Architectural Bollard

KB8

8" Round
High Pressure Sodium
Metal Halide
Incandescent

ORDERING INFORMATION

For shortest lead times, configure product using **bolded options**.

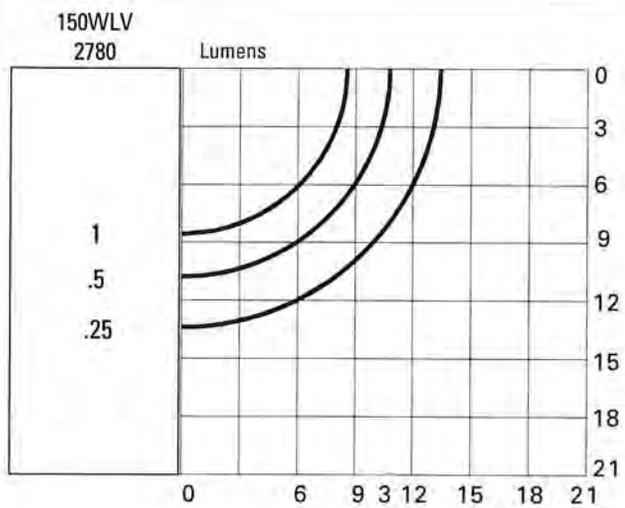
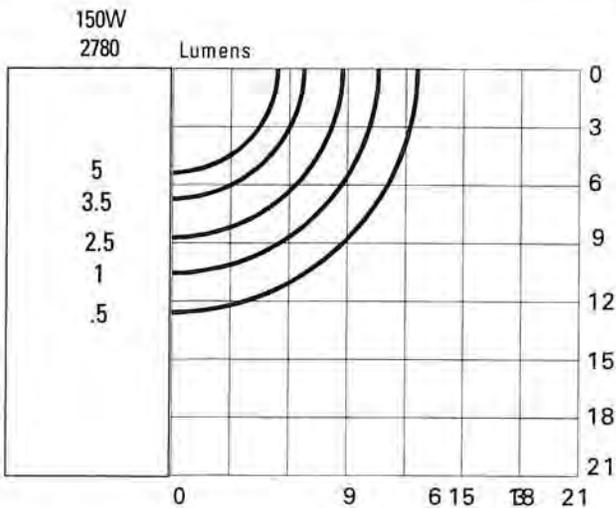
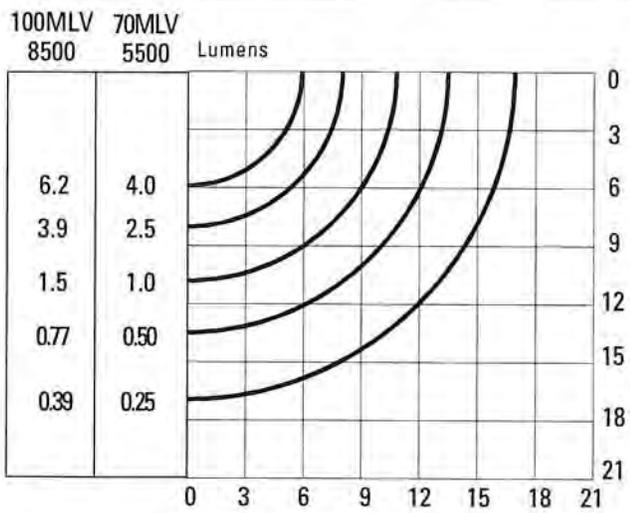
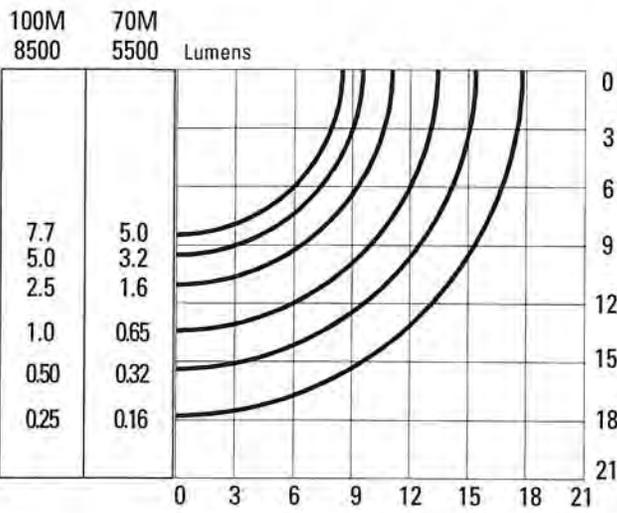
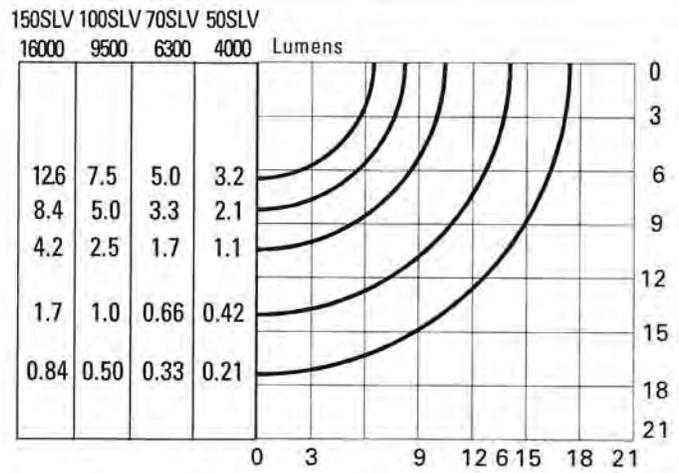
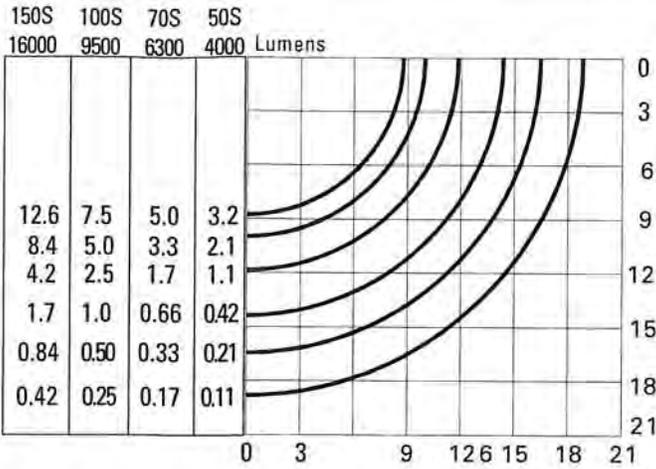
Example: KBA8 70M R5 120 LPI

Series	Wattage	Reflector	Voltage	Ballast	Options	Finish ⁵	Lamp ⁷
KBA8	High pressure sodium	Standard flared cone	120	HID	Shipped installed in fixture	(blank) Dark bronze	LPI Lamp included
KBC8	50S	R5 Type V distribution	208	(blank) Magnetic	SF Single fuse (120, 277, 347V; N/A TB)	DBL Black	L/LP Less lamp
KBD8	70S	Optional cylindrical reflectors	240	Incandescent	DF Double fuse (208, 240V; N/A TB)	DMB Medium bronze	
KBR8	100S	CYA Specular	277	(blank) None	H24 24" overall height	DNA Natural aluminum	
	150S	CYB Black	347		H30 30" overall height	DSS Sandstone	
	Metal halide¹	CYG Gold	TB¹		H36 36" overall height	DGC Charcoal gray	
	70M	CYF Flat black			FD Festoon outlet	CR Enhanced corrosion resistance	
	100M	Louvers			FG Ground-fault festoon outlet		
	Incandescent²	LV Cast-aluminum louvers			XT Diode (incandescent only)		
					CSA Listed and labeled to comply with Canadian standards (120, 277, 347V only)		
					Shipped separately⁴		
					RBS Half-shield for 8" round		

Notes

- Use coated lamp with metal halide sources.
- 120V only. 150W lamp max. A19 lamps only. Not available with LPI.
- Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
- Not available with louvers. May be ordered as an accessory. Must specify finish.
- See www.lithonia.com/archcolors for additional color options.
- Striping is available only on KBA8 or KBC8, and only in the colors listed.
- Must be specified.

KB8 8" Round Bollard

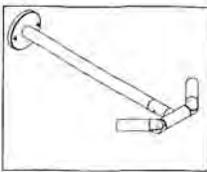


Notes:

- 1) For electrical characteristics, consult outdoor technical data specification sheets on www.lithonia.com.
- 2) Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change.



KB8-M-S-I-ROUND



the power of e

BKSL
SOLID STATE LIGHTING

MINI-MICRO™ TWIN SIGN LIGHT

PROJECT:	SVH Courtyard
TYPE:	SH
CATALOG NUMBER:	
SOURCE:	
NOTES:	Remote transformer per plans.

CATALOG NUMBER LOGIC

Example: **ST** - **18** - **C** - **MM** - **LED** - **e10** - **SP** - **BZP** - **12** - **11** - **A**

Series: **ST** - Twin Sign Star™

Stem Length: (Specify in Inches) 18", 24", 30", 36", 42", or 48"

Style: **C** - Straight Mount

Fixture: **MM** - Mini-Micro™ Floodlight

Source: **LED** - 'e' Technology with Integral Driver

LED Type:

e38 - 3WLED/2.7K	e12 - 3WLED/Red	e14 - 3WLED/Blue
e10 - 3WLED/3K	e13 - 3WLED/Green	e15 - 3WLED/Amber
e11 - 3WLED/4K		

Optics*: **SP** - Spot (Green Indicator) **FL** - Flood (Blue Indicator)

Finish:

Aluminum Finish			Premium Finish		
ABP - Antique Brass Powder	CMG - Cascade Mountain Granite	RMG - Rocky Mountain Granite			
AMG - Aleutian Mountain Granite	CRI - Cracked Ice	SDS - Sonoran Desert Sandstone			
AQW - Antique White	CRM - Cream	SMG - Sierra Mountain Granite			
BCM - Black Chrome	HUG - Hunter Green	TXF - Textured Forest			
BGE - Beige	MDS - Mojave Desert Sandstone	WCP - Weathered Copper			
BPP - Brown Patina Powder	NBP - Natural Brass Powder	WIR - Weathered Iron			
CAP - Clear Anodized Powder	OCP - Old Copper	<i>Also available in RAL Finishes See submittal SUB-1439-00</i>			

Lens Type: **12** - Soft Focus Lens **13** - Rectilinear Lens

Shielding: **11** - Honeycomb Baffle

Cap Style: **A** - 45° **B** - 90° **C** - Flush **D** - 45° without Weep Hole **E** - 90° without Weep Hole

LM79 DATA

BK No.	CCT (Typ.)	Input Watts (Typ.)	CRI
e38	2700K	3.0	90
e10	3100K	3.0	90
e11	4100K	3.0	75
e12	Red (627nm)	2.8	~
e13	Green (530nm)	3.0	~
e14	Blue (470nm)	3.0	~
e15	Amber (590nm)	2.8	~

L70 DATA

Minimum Rated Life (hrs.) 70% of initial lumens (L70)
50,000
50,000
50,000
50,000
50,000
50,000
50,000

*OPTICAL DATA

Beam Type	Angle	Visual Indicator
Spot	16°	Green Dot
Flood	33°	Blue Dot

B-K LIGHTING

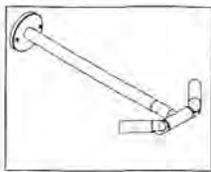
40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

SUBMITTAL DATE
5-8-12

DRAWING NUMBER
SUB000975

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

MAY 20 2012

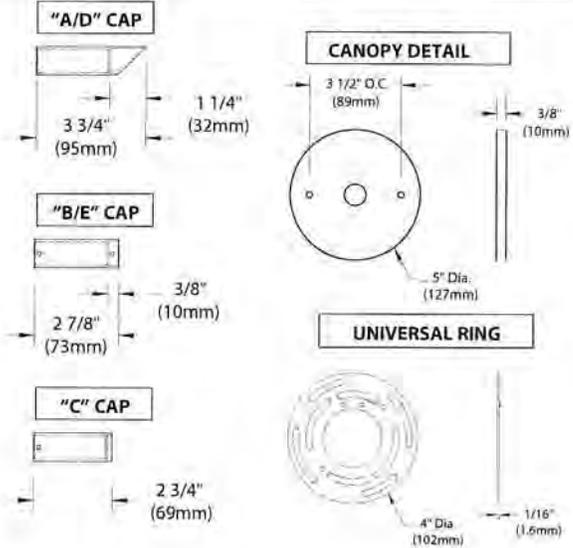
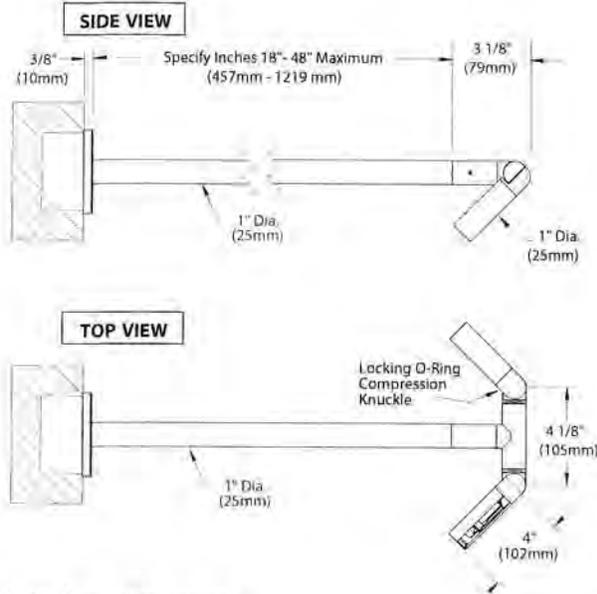


the power of

BKSSL
SOLID STATE LIGHTING

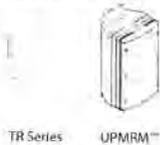
MINI-MICRO™ TWIN SIGN LIGHT

PROJECT:	
TYPE:	



Accessories (Configure separately)

Remote Transformers:



All dimensions indicated on this submittal are nominal. Contact Technical Sales if you require more stringent specifications.

SPECIFICATIONS

GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Materials

Furnished in Copper-Free Aluminum (Type 6061-T6).

Style

'C' Style provides straight profile. Machined 'T' adapter enables independent fixture adjustment from a single mounting position.

Body

Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

Knuckle

The LOCK™ (Locking 'O' Ring Compression Knuckle) is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical taper-lock allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb. static load prior to movement to ensure decades of optical alignment. Biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

Cap

Fully machined. Accommodates [1] lens or lower media. Choose from 45° cutoff ('A' or 'D'), 3/8" deep bezel with 90° cutoff ('B' or 'E'), or flush lens ('C') cap styles. 'A' and 'B' caps include weep-hole for water and debris drainage. 'D' and 'E' caps exclude weep-hole and are for interior use only.

Stem

Fully machined, 1" dia. with internal threads for maximum visual appeal. Available in configurable lengths to 48" maximum overall.

Lens

Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

BKSSL™

Integrated solid state system with 'e' technology. High power, forward throw source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR™ lumen maintenance requirements. LM-80 certified components.

Integral non-dimming driver. Minimum 50,000 hour rated life at 70% of initial lumens (L70). BKSSL technology provides long life, significant energy reduction and exceptional thermal management.

Optics

OPTIKIT™ modules are color-coded for easy reference: Spot (SP) = Green. Flood (FL) = Blue.

Installation

3-1/2" dia., machined canopy permits mounting to 3" octagonal junction box or 4" junction box with mud ring. Junction box installation must be designed to hold full fulcrum weight of fixture (junction box and gasket by others).

Remote Transformer

For use with 12VAC remote transformer.

Wiring

Teflon™ coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

Hardware

Tamper-resistant, stainless steel hardware. LOCK™ aiming screw and canopy mounting screws are additionally black oxide treated for additional corrosion resistance.

Finish

StarGuard® (Pat. Pend.), a RoHS compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating.

Warranty

5 year limited warranty.

Certification and Listing

ITL tested to IESNA LM-79. Lighting Facts Registration per USDOE (www.lightingfacts.com). ETL Listed to ANSI/UL Standard 1838 and UL Subject 8750 and Certified to CAN/CSA Standard C22.2 No. 9. RoHS compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. IP 66 Rated. Made in USA.



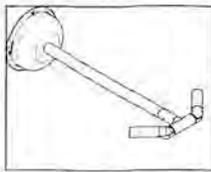
Teflon is a registered trademark of DuPont Corporation. Energy Star is a registered trademark of the United States Environmental Protection Agency.

B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.6900
www.bklighting.com • info@bklighting.com

SUBMITTAL DATE
5-8-12

DRAWING NUMBER
SUB000975



the power of e

MINI-MICRO™ TWIN SIGN LIGHT with Power Canopy



PROJECT:	
TYPE:	
CATALOG NUMBER:	
SOURCE:	
NOTES:	

CATALOG NUMBER LOGIC

Example: **ST** - **18** - **C** - **MM** - **LED** - **e10** - **SP** - **BZP** - **12** - **11** - **A** - **PC-L10Q-120**

Series
ST - Twin Sign Star™

Stem Length
(Specify in inches)
18", 24", 30", or 36"

Style
C - Straight Mount

Fixture
MM - Mini-Micro™ Floodlight

Source
LED - 'e' Technology with Integral Driver

LED Type

e38 - 3WLED/2.7K	e12 - 3WLED/Red	e14 - 3WLED/Blue
e10 - 3WLED/3K	e13 - 3WLED/Green	e15 - 3WLED/Amber
e11 - 3WLED/4K		

Optics*
SP - Spot (Green Indicator) FL - Flood (Blue Indicator)

Finish

Aluminum Finish

Powder Coat Color	Satin	Wrinkle
Bronze	BZP	BZW
Black	BLP	BLW
White (Gloss)	WHP	WHW
Aluminum	SAP	—
Verde	—	VER

Premium Finish

ABP Antique Brass Powder	CMG Cascade Mountain Granite	RMG Rocky Mountain Granite
AMG Aleutian Mountain Granite	CRI Cracked Ice	SDS Sonoran Desert Sandstone
AQW Antique White	CRM Cream	SMG Sierra Mountain Granite
BCM Black Chrome	HUG Hunter Green	TXF Textured Forest
BGE Beige	MDS Mojave Desert Sandstone	WCP Weathered Copper
BPP Brown Patina Powder	NBP Natural Brass Powder	WIR Weathered Iron
CAP Clear Anodized Powder	OCP Old Copper	<i>Also available in RAL Finishes See submittal SUB-1439-00</i>

Lens Type

12 - Soft Focus Lens
13 - Rectilinear Lens

Shielding

11 - Honeycomb Baffle

Cap Style

A - 45° B - 90° C - Flush D - 45° without Weep Hole E - 90° without Weep Hole

Transformer Style

PC-L10Q-120 - Power Canopy with 10VA Magnetic 120V Transformer*

PC-L10Q-277 - Power Canopy with 10VA Magnetic 277V Transformer*

* Non Dimming

LM79 DATA

BK No.	CCT (Typ.)	Input Watts (Typ.)	CRI
e38	2700K	3.0	90
e10	3100K	3.0	90
e11	4100K	3.0	75
e12	Red (627nm)	2.8	~
e13	Green (530nm)	3.0	~
e14	Blue (470nm)	3.0	~
e15	Amber (590nm)	2.8	~

L70 DATA

Minimum Rated Life (hrs.) 70% of Initial Lumens (L70)
50,000
50,000
50,000
50,000
50,000
50,000
50,000

*OPTICAL DATA

Beam Type	Angle	Visual Indicator
Spot	16°	Green Dot
Flood	33°	Blue Dot

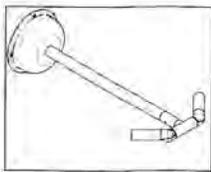
B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

SUBMITTAL DATE
5-8-12

DRAWING NUMBER
SUB000975.1

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

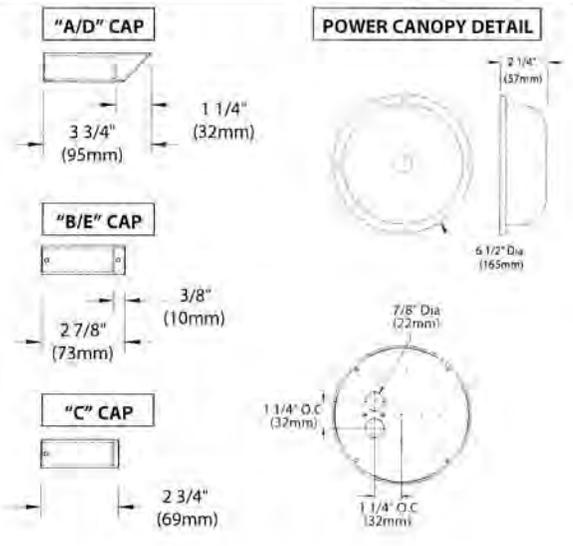
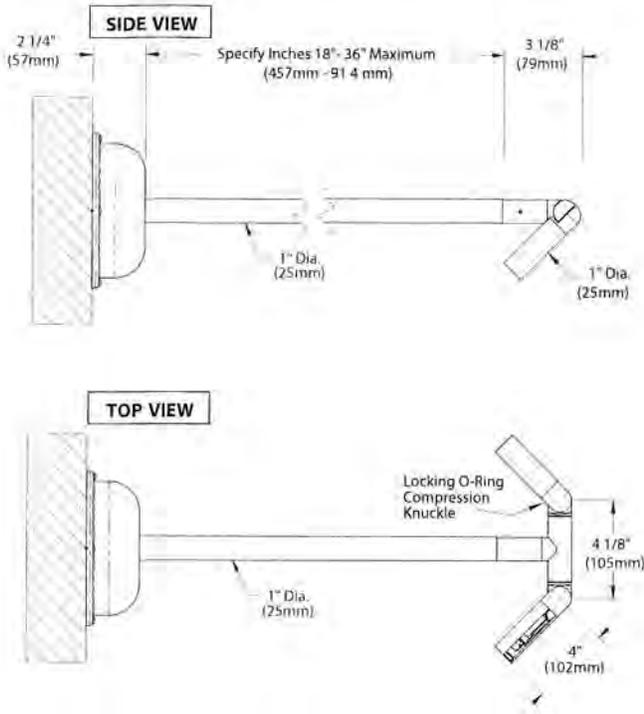


the power of e

MINI-MICRO™ TWIN SIGN LIGHT with Power Canopy

BKSSL
SOLID STATE LIGHTING

PROJECT:	
TYPE:	



All dimensions indicated on this submittal are nominal. Contact Technical Sales if you require more stringent specifications.

SPECIFICATIONS

GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Materials

Furnished in Copper-Free Aluminum (Type 6061-T6).

Style

'C' Style provides straight profile. Machined 'T' adapter enables independent fixture adjustment from a single mounting position.

Body

Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

Knuckle

The LOCK™ (Locking 'O' Ring Compression Knuckle) is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical taper-lock allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb. static load prior to movement to ensure decades of optical alignment. Biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

Cap

Fully machined. Accommodates [1] lens or louver media. Choose from 45° cutoff ('A' or 'D'), 3/8" deep bezel with 90° cutoff ('B' or 'E'), or flush lens ('C') cap styles. 'A' and 'B' caps include weep-hole for water and debris drainage. 'D' and 'E' caps exclude weep-hole and are for interior use only.

Stem

Fully machined. 1" dia. with internal threads for maximum visual appeal. Available in configurable lengths to 36" maximum overall.

Lens

Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

BKSSL™

Integrated solid state system with 'e' technology. High power, forward throw source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR® lumen maintenance requirements. LM-80 certified components.

Integral non-dimming driver. Minimum 50,000 hour rated life at 70% of initial lumens (L70). BKSSL technology provides long life, significant energy reduction and exceptional thermal management.

Optics

OPTIKIT™ modules are color-coded for easy reference: Spot (SP) = Green. Flood (FL) = Blue.

Installation

6-1/2" dia. Power Canopy™ features gasketed mounting plate for surface or junction box installation with two 1/2" KO's for wiring (hardware by others). Junction box installation must be designed to hold full fulcrum weight of fixture.

Transformer

Integral, low voltage, magnetic transformer. Non-dimmable. 120V, and 277V primary voltage. 50/60Hz 12VAC secondary voltage. 10VA maximum load.

Wiring

Teflon® coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

Hardware

Tamper-resistant, stainless steel hardware. LOCK™ aiming screw and canopy mounting screws are additionally black oxide treated for additional corrosion resistance.

Finish

StarGuard® (Pat. Pend.), a RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating.

Warranty

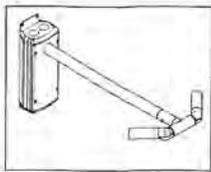
5 year limited warranty.

Certification and Listing

ITL tested to IESNA LM-79. Lighting Facts Registration per USDOE (www.lightingfacts.com). ETL Listed to ANSI/UL Standard 1838 and UL Subject 8750 and Certified to CAN/CSA Standard C22.2 No. 9. RoHs compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. IP 66 Rated. IP 66 Rated. Made in USA.



Teflon is a registered trademark of DuPont Corporation. Energy Star is a registered trademark of the United States Environmental Protection Agency.



the power of

MINI-MICRO™ TWIN SIGN LIGHT with PM1



PROJECT:	
TYPE:	
CATALOG NUMBER:	
SOURCE:	
NOTES:	

CATALOG NUMBER LOGIC

ST **C** **MM** **LED** **PM1**

Example: ST - 18 - C - MM - LED - e10 - SP - BZP - 12 - 11 - A - PM1 - SM - 1 - 120 - MB

Series **ST** - Sign Star™

Stem Length (Specify in inches) 18", 24", 30", 36, 42" or 48"

Style **C** - Straight Mount

Fixture **MM** - Mini-Micro™ Floodlight

Source **LED** - 'e' Technology with Integral Driver

LED Type
e38 - 3WLED/2.7K **e12** - 3WLED/Red **e14** - 3WLED/Blue
e10 - 3WLED/3K **e13** - 3WLED/Green **e15** - 3WLED/Amber
e11 - 3WLED/4K

Optics*
SP - Spot (Green Indicator) **FL** - Flood (Blue Indicator)

Finish

Aluminum Finish			Premium Finish		
Powder Coat Color	Satin	Wrinkle	ABP	CMG	RMG
Bronze	BZP	BZW	Antique Brass Powder	Cascade Mountain Granite	Rocky Mountain Granite
Black	BLP	BLW	Aleutian Mountain Granite	Cracked Ice	Sonoran Desert Sandstone
White (Gloss)	WHP	WHW	Antique White	Cream	Sierra Mountain Granite
Aluminum	SAP	—	Black Chrome	Hunter Green	Textured Forest
Verde	—	VER	Beige	Mojave Desert Sandstone	Weathered Copper
			Brown Patina Powder	Natural Brass Powder	Weathered Iron
			Clear Anodized Powder	Old Copper	<i>Also available in RAL Finishes See submittal SUB-1439-00</i>

Lens Type **12** - Soft Focus Lens **13** - Rectilinear Lens

Shielding **11** - Honeycomb Baffle

Cap Style **A** - 45° **B** - 90° **C** - Flush **D** - 45° without Weep Hole **E** - 90° without Weep Hole

Transformer Style **PM1** - Universal Power Module™

Mounting **SM** - Surface Mount **CR** - Round Camlock™ **CT** - Rectangular Camlock™

Fixture Position **1** - Offset **2** - Center

Input Voltage **120** - 120 VAC Input **277** - 277 VAC Input

Options **MB** - Mounting Brackets (for CR and CT only)

LM79 DATA

BK No.	CCT (Typ.)	Input Watts (Typ.)	CRI
e38	2700K	3.0	90
e10	3100K	3.0	90
e11	4100K	3.0	75
e12	Red (627nm)	2.8	—
e13	Green (530nm)	3.0	—
e14	Blue (470nm)	3.0	—
e15	Amber (590nm)	2.8	—

L70 DATA

Minimum Rated Life (hrs.) 70% of initial lumens (L70)
50,000
50,000
50,000
50,000
50,000
50,000
50,000

*OPTICAL DATA

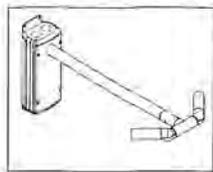
Beam Type	Angle	Visual Indicator
Spot	16°	Green Dot
Flood	33°	Blue Dot

B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
 559.438.5800 • FAX 559.438.5900
 www.bklighting.com • info@bklighting.com

SUBMITTAL DATE
5-8-12

DRAWING NUMBER
SUB000975.2

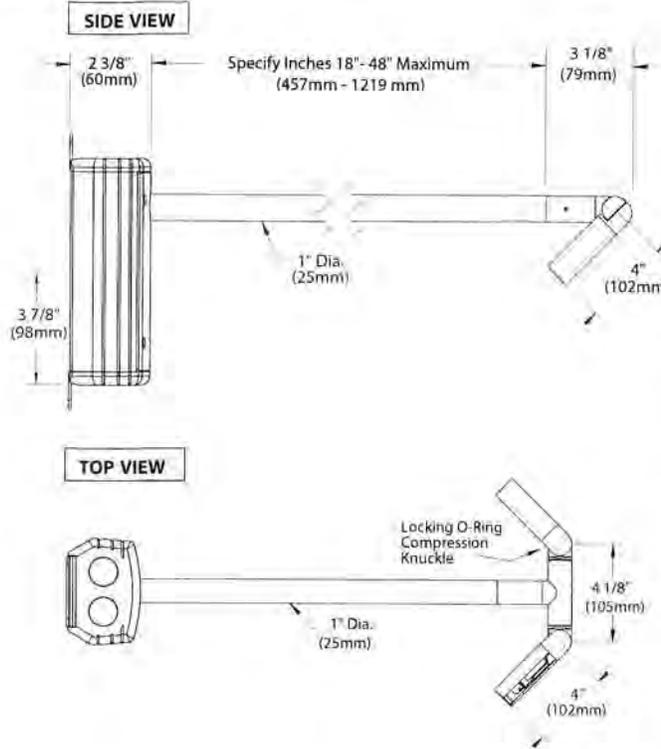


BKSSL
SOLID STATE LIGHTING

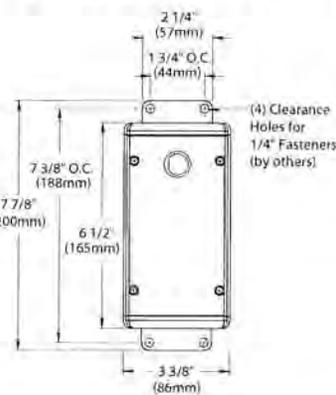
the power of e

MINI-MICRO™ TWIN SIGN LIGHT with PM1

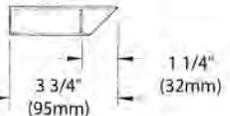
PROJECT:	
TYPE:	



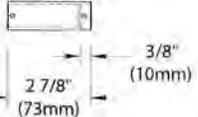
SURFACE MOUNT WITH BRACKETS



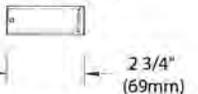
"A/D" CAP



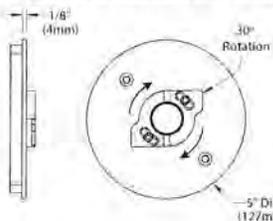
"B/E" CAP



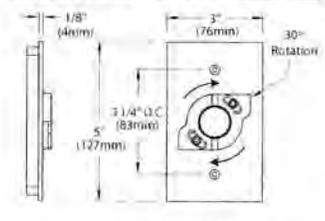
"C" CAP



ROUND CAMLOCK™ CANOPY



RECTANGULAR CAMLOCK™ CANOPY



All dimensions indicated on this submittal are nominal. Contact Technical Sales if you require more stringent specifications.

SPECIFICATIONS

GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Materials

Furnished in Copper-Free Aluminum (Type 6061-T6).

Style

'C' Style provides straight profile. Machined 'T' adapter enables independent fixture adjustment from a single mounting position.

Body

Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

Knuckle

The LOCK™ (Locking 'O' Ring Compression Knuckle) is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical taper-lock allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb. static load prior to movement to ensure decades of optical alignment. Biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

Cap

Fully machined. Accommodates [1] lens or louver media. Choose from 45° cutoff ('A' or 'D'), 3/8" deep bezel with 90° cutoff ('B' or 'E'), or flush lens ('C') cap styles. 'A' and 'B' caps include weep-hole for water and debris drainage. 'D' and 'E' caps exclude weep-hole and are for interior use only.

Stem

Fully machined, 1" dia. with internal threads for maximum visual appeal. Available in configurable lengths to 48" maximum overall.

Lens

Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

BKSSL™

Integrated solid state system with 'e' technology. High power, forward throw source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR® lumen maintenance requirements. LM-80 certified components.

Integral non-dimming driver. Minimum 50,000 hour rated life at 70% of initial lumens (L70). BKSSL technology provides long life, significant energy reduction and exceptional thermal management.

Optics

OPTIKIT™ modules are color-coded for easy reference: Spot (SP) = Green. Flood (FL) = Blue.

Installation

Universal Power Module™ (PM1) features aluminum extrusion with die cast end caps. Surface mounted with flow through back channel to prevent water and debris collection. Machined aluminum cover with countersunk holes for flush hardware installation. Specify offset or center fixture position. Front access for ease of installation and inspection.

[2] 1/2" NPT female conduit entries per end cap for through wiring. Specify Surface Mount (SM), Round Camlock™ Canopy (CR) or Rectangular Camlock™ Canopy (CT).

Transformer

Integral, low voltage, magnetic transformer. Non-dimmable. 120V, and 277V primary voltage. 50/60Hz. 12VAC secondary voltage. 10VA maximum load.

Wiring

Teflon™ coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

Hardware

Tamper-resistant, stainless steel hardware. LOCK™ aiming screw and canopy mounting screws are additionally black oxide treated for additional corrosion resistance.

Finish

StarGuard® (Pat. Pend.), a RoHS compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating.

Warranty

5 year limited warranty.

Certification and Listing

ITL tested to IESNA LM-79. Lighting Facts Registration per USDOE (www.lightingfacts.com). ETL Listed to ANSI/UL Standard 1838 and UL Subject 8750 and Certified to CAN/CSA Standard C22.2 No. 9. RoHS compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. IP 66 Rated, IP 66 Rated. Made in USA.



lighting facts

Teflon is a registered trademark of DuPont Corporation.
Energy Star is a registered trademark of the United States Environmental Protection Agency.

B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

SUBMITTAL DATE
5-8-12

DRAWING NUMBER
SUB000975.2

Mini Micro™ Twin Sign Light - Flood

LED

lighting facts®

A Program of the U.S. DOE

Light Output (Lumens)	111
Watts	2.96
Lumens per Watt (Efficacy)	37

Color Accuracy	68
Color Rendering Index (CRI)	

Light Color
Correlated Color Temperature (CCT)

4090 (Bright White)

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the **Label Reference Guide**.

Registration Number: GCXV-ETYGVN (3/19/2012)
 Model Number: ST-MM-LED-e11-FL-12-C
 Type: Other

Mini Micro™ Twin Sign Light - Spot Rectilinear

LED

lighting facts®

A Program of the U.S. DOE

Light Output (Lumens)	98
Watts	3.01
Lumens per Watt (Efficacy)	32

Color Accuracy	69
Color Rendering Index (CRI)	

Light Color
Correlated Color Temperature (CCT)

4169 (Bright White)

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the **Label Reference Guide**.

Registration Number: GCXV-LZDXTX (3/19/2012)
 Model Number: ST-MM-LED-e11-SP-13-C
 Type: Other

Mini Micro™ Twin Sign Light - Spot

LED

lighting facts®

A Program of the U.S. DOE

Light Output (Lumens)	109
Watts	3.01
Lumens per Watt (Efficacy)	36

Color Accuracy	69
Color Rendering Index (CRI)	

Light Color
Correlated Color Temperature (CCT)

4180 (Bright White)

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the **Label Reference Guide**.

Registration Number: GCXV-15LRLZ (3/19/2012)
 Model Number: ST-MM-LED-e11-SP-12-C
 Type: Other



An Acuity Brands Company

SUITABLE FOR WET LOCATIONS

IP67



PARADOX 10

19W LED MONOCHROMATIC

10" ARCHITECTURAL IN-GRADE

DESCRIPTION:

Hydrel's Paradox Series sealed modular in-grade luminaires are multi-purpose units designed for up lighting architectural and landscape features. These units can be flush mounted into a variety of substrates including concrete or tile, or landscape materials, and are ideal when aperture size or luminaire depth is a priority.

SPECIFICATIONS:

DOOR MATERIAL: Die cast bronze or stainless steel.

HOUSING: Compression molded polyester with patent pending internal direct access junction box for through-branch wiring. Internal junction box provides 44in³ volume to ensure proper seal during installation. The housing is U.V. stabilized, impact and corrosion resistant for use in all types of environments. The housing has a side-car configuration and houses the lamp and power module components as well as the lens/door finishing section.

LED TYPE: Monochromatic LEDs, 19W, 18 chip.

VOLTAGE: See Ordering Guide.

LIGHT DISTRIBUTION: See Ordering Guide. LED module has 15° of internal tilt and 360° of rotation.

LENS/SEAL: Tempered clear flat borosilicate glass. The patent pending door/lens seal uses proprietary knife edge technology to secure the assembly to the housing. Four captive screws hold the assembly in place. The lens is notched to provide maximum aperture opening.

CONDUIT ENTRIES: Two molded 3/4" NPT side entries standard, bottom hubs are molded with a 3/4" NPT membrane knockout.

POWER MODULE: Integrally mounted modular LED driver, prewired with quick connectors for easy installation and maintenance.

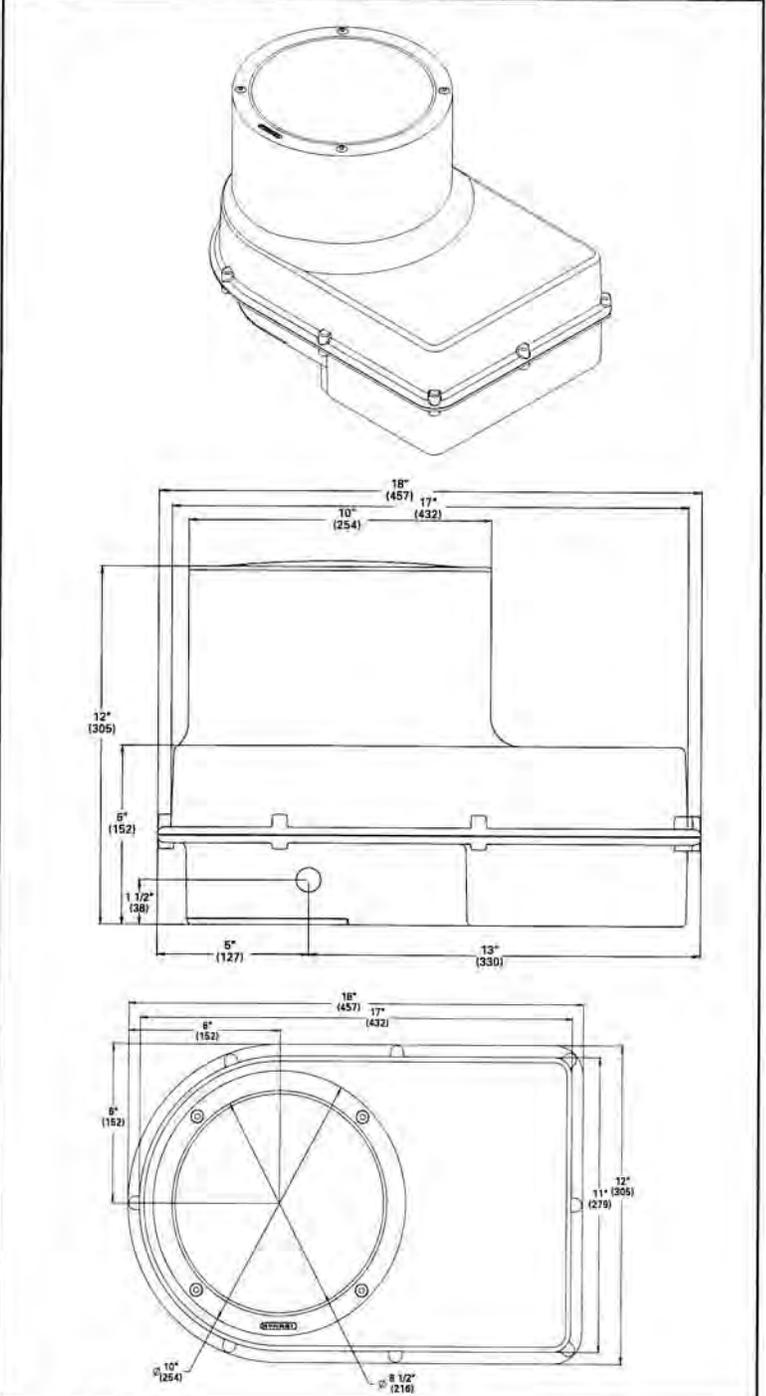
ACCESSORIES: See Ordering Guide.

FINISH: Natural bronze, stainless steel or stainless steel with a brushed finish.

LISTING: U.L., C.U.L

TYPE SJ	JOB NAME SVH Courtyard
------------	---------------------------

PART NUMBER					
MODEL	MATERIAL	LAMP TYPE	VOLTAGE	DISTRIBUTION	
LENS	CONDUIT	ACCESSORIES	LAMP	OPTIONS	LISTING



APPROVALS

PDX10 LED MONOCHROMATIC ORDERING INFORMATION

50/60 Hz Application

Choose the boldface catalog nomenclature that best suits your needs.

PART NO.

PDX10	SS	18LED	WHT41K	MVOLT	SP	FLCSR	34S				
-------	----	-------	--------	-------	----	-------	-----	--	--	--	--

EXAMPLE:

PDX10 B 18LED RED 120 SP FLC 34S LPI

<p>*Model</p> <input type="checkbox"/> PDX10	<p>*LED Type</p> <input type="checkbox"/> 18LED 18 Chip LED array	<p>*Voltage</p> <input type="checkbox"/> MVOLT <input type="checkbox"/> 120 ²	<p>*Lens</p> <input type="checkbox"/> FLC Flat lens clear <input type="checkbox"/> FLCAS ¹ Flat Lens Clear, Anti-Slip <input type="checkbox"/> FLCSR ¹ Flat Lens Frosted, Slip Resistant	<p>Accessories</p> <p>Internal</p> <input type="checkbox"/> IHL Internal honeycomb louver <p>External</p> <input type="checkbox"/> RG Decorative Rock guard	<p>*Lamp</p> <input type="checkbox"/> LPI Lamp Included
<p>*Door Material</p> <input type="checkbox"/> SS Stainless Steel <input type="checkbox"/> BSS ¹ Brushed Stainless Steel <input type="checkbox"/> B Bronze	<p>*LED Color</p> <input type="checkbox"/> WHT30K White <input type="checkbox"/> WHT41K White <input type="checkbox"/> WHT53K White <input type="checkbox"/> AMB Amber <input type="checkbox"/> BLU Blue <input type="checkbox"/> GRN Green <input type="checkbox"/> RED Red	<p>*Light Distribution</p> <input type="checkbox"/> SP Spot <input type="checkbox"/> NFL Narrow flood <input type="checkbox"/> MFL Medium flood <input type="checkbox"/> FL Flood <input type="checkbox"/> WFL Wide flood <input type="checkbox"/> VWFL Very wide flood <input type="checkbox"/> LSD Linear Spread Distribution	<p>*Conduit Entries</p> <input type="checkbox"/> 34S Two 3/4" NPT Side (Standard)	<p>Options</p> <input type="checkbox"/> LDIM ³ 0-10V Dimming	<p>Listing</p> <input type="checkbox"/> IEC International Electrotechnical Commission.

***Required Categories**

Notes:

- ¹ Not available with Decorative Rock Guard.
- ² Only valid if LDIM chosen.
- ³ LDIM only valid with 120 volt.

LIGHT ENGINE	REBEL	REBEL	REBEL	REBEL	REBEL	REBEL
KELVIN TEMP	3000K	4100K	5300K			
MH EQUIVALENT	100W	150W	150W			
NUMBER OF LEDs	18	18	18			
DRIVE CURRENT	350mA	350mA	350mA			
INITIAL LUMENS ²	690	1150	1150			
INPUT WATTS	19.2	19.2	19.2			
LUMENS PER WATT	35.9	59.9	59.9			
CRI	85	70	70			

LED LIFE: L70/50,000 HOURS
OPERATING TEMPERATURE: -30°C THROUGH 40°C

All Photometry is run to LM79 standards
 Photometry available at www.hydel.com

Notes:

* MH Equivalencies are approximate and vary by distribution.

² Initial Lumens will vary depending on distribution, consult individual IES files for exact data.



BKSSL
SOLID STATE LIGHTING

the power of **e**

MINI-MICRO™ FLOODLIGHT

PROJECT:	SVH Courtyard
TYPE:	SK
CATALOG NUMBER:	
SOURCE:	
NOTES:	Tree accent light. With power pipe.

CATALOG NUMBER LOGIC

Example: **MM - LED - e11 - FL - BZF - 12 - 11 - B - 360SL**

Material
Blank - Aluminum
B - Brass
S - Stainless Steel

Series
MM - Mini-Micro™ Floodlight

Source
LED - 'e' Technology with Integral Driver

LED Type
e38 - 3WLED/2.7K
e10 - 3WLED/3K
e11 - 3WLED/4K
e12 - 3WLED/Red
e13 - 3WLED/Green
e14 - 3WLED/Blue
e15 - 3WLED/Amber

Optics*
SP - Spot (Green Indicator) FL - Flood (Blue Indicator)

Finish

Aluminum Finish			Brass Finish		Premium Finish		
Powder Coat Color	Satin	Wrinkle	Machined	MAC	ABP	CMG	RMG
Bronze	BZP	BZW	Polished	POL	AMG	CRI	SDS
Black	BLP	BLW	Mitique™	MIT	AQW	CRM	SMG
White (Gloss)	WHP	WHW	Stainless Finish		BCM	HUG	TXF
Aluminum	SAP	—	Machined	MAC	BGE	MDS	WCP
Verde	—	VER	Polished	POL	BPP	NBP	WIR
			Brushed	BRU <small>Interior Use Only</small>	CAP	OCF	

Lens Type
12 - Soft Focus Lens 13 - Rectilinear Lens

Shielding
11 - Honeycomb Baffle

Cap Style
A - 45° B - 90° C - Flush D - 45° less Weep Hole (Interior Use Only) E - 90° less Weep Hole (Interior Use Only)

Option
360SL - 360SL™ Rotational Knuckle Mounting System

LM79 DATA

BK No.	CCT (Typ.)	Input Watts (Typ.)	CRI
e38	2700K	3.0	90
e10	3100K	3.0	90
e11	4100K	3.0	75
e12	Red (627nm)	2.8	~
e13	Green (530nm)	3.0	~
e14	Blue (470nm)	3.0	~
e15	Amber (590nm)	2.8	~

L70 DATA

Minimum Rated Life (hrs.) 70% of initial lumens (L70)
50,000
50,000
50,000
50,000
50,000
50,000
50,000

*OPTICAL DATA

Beam Type	Angle	Visual Indicator
Spot	16°	Green Dot
Flood	33°	Blue Dot

B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

SUBMITTAL DATE

12-13-11

DRAWING NUMBER

SUB000931

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

AUG 30 2013



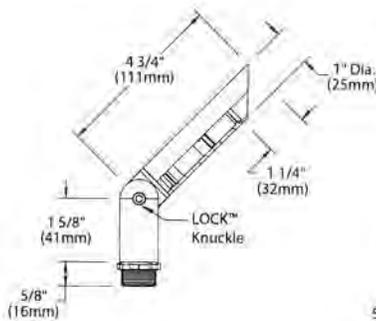
BKSSL
SOLID STATE LIGHTING

the power of **e**

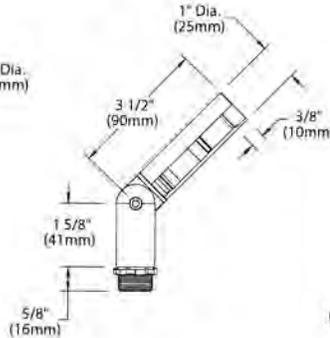
MINI-MICRO™ FLOODLIGHT

PROJECT:	
TYPE:	

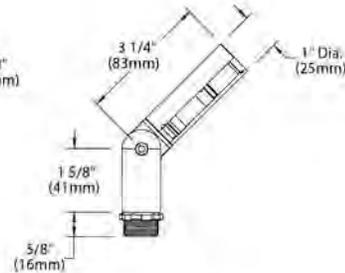
"A/D" CAP



"B/E" CAP



"C" CAP



360 SL™



Horizontal Rotation
(Optional 360SL™ Knuckle)

Accessories (Configure separately)

All dimensions indicated on this submittal are nominal.
Contact Technical Sales if you require more stringent specifications.

Mounting:



Remote Transformers:



SPECIFICATIONS

GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Materials

Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

Body

Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

Knuckle

The LOCK™ (Locking 'O' Ring Compression Knuckle) is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical taper-lock allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb. static load prior to movement to ensure decades of optical alignment. 1/2" pipe thread for mounting.

Optional 360SL™ additionally provides biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

Cap

Fully machined. Accommodates [1] lens or louver media. Choose from 45° cutoff ('A' or 'D'), 3/8" deep bezel with 90° cutoff ('B' or 'E'), or flush lens ('C') cap styles. 'A' and 'B' caps include weep-hole for water and debris drainage. 'D' and 'E' caps exclude weep-hole and are for interior use only.

Lens

Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

BKSSL™

Integrated solid state system with 'e' technology. High power, forward throw source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR® lumen maintenance requirements. LM-80 certified components.

Integral non-dimming driver. Minimum 50,000 hour rated life at 70% of initial lumens (L70). BKSSL technology provides long life, significant energy reduction and exceptional thermal management.

Optics

OPTIKIT™ modules are color-coded for easy reference: Spot (SP) = Green. Flood (FL) = Blue.

Remote Transformer

For use with 12VAC BKSSL remote transformer.

Wiring

Teflon® coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

Hardware

Tamper-resistant, stainless steel hardware. LOCK™ aiming screw is additionally black oxide treated for additional corrosion resistance.

Finish

StarGuard® (Pat. Pend.), a RoHS compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

Warranty

5 year limited warranty.

Certification and Listing

ITL tested to IESNA LM-79. Lighting Facts Registration per USDOE (www.lightingfacts.com). ETL Listed to ANSI/UL Standard 1838 and UL Standard 8750. Certified to CAN/CSA Standard C22.2 No. 9, CSA TIL B-58B. RoHS compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Suitable for installation within 4' of the ground. IP66 Rated. Made in USA.



*Teflon is a registered trademark of DuPont Corporation.
*Energy Star is a registered trademark of the United States Environmental Protection Agency.

B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

SUBMITTAL DATE
12-13-11

DRAWING NUMBER
SUB000931



Mini-Micro™ - Flood

lighting facts®

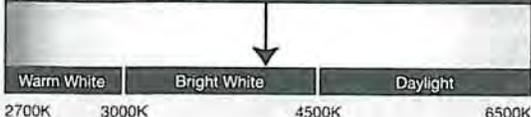
A Program of the U.S. DOE

Light Output (Lumens)	111
Watts	3
Lumens per Watt (Efficacy)	37

Color Accuracy	68
Color Rendering Index (CRI)	

Light Color 4090 (Bright White)

Correlated Color Temperature (CCT)



All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: GCXV-X6ZC1M (3/19/2012)

Model Number: MM-LED-e11-FL-12-C

Type: Other



Mini-Micro Floodlight

lighting facts®

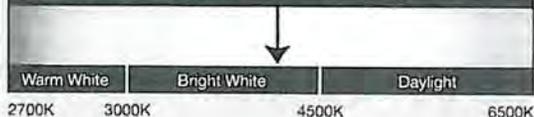
A Program of the U.S. DOE

Light Output (Lumens)	98
Watts	3.01
Lumens per Watt (Efficacy)	32

Color Accuracy	69
Color Rendering Index (CRI)	

Light Color 4169 (Bright White)

Correlated Color Temperature (CCT)



All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: GCXV-SZRF0G (8/16/2011)

Model Number: MV-LED-C (Spot + Recessed)

Type: Other

Type: **SL**

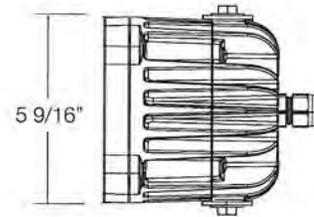
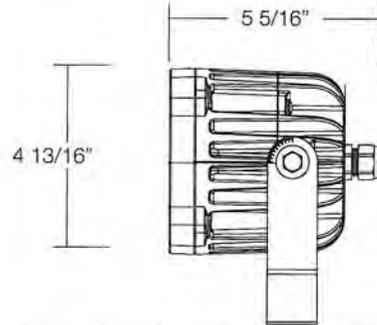
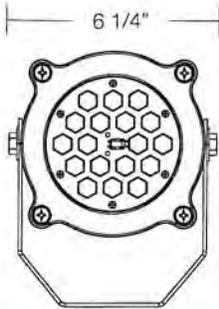
Ordering Code: **FL1 24W NF YK VS BZ**

Job Name: **SVH Courtyard**

Notes: **Aim at fountain**

FL-1

Dimensions

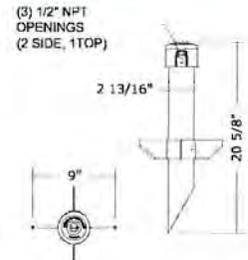
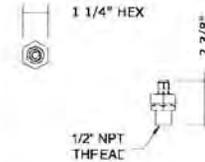
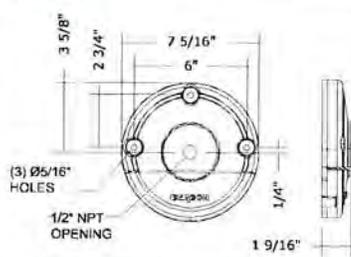
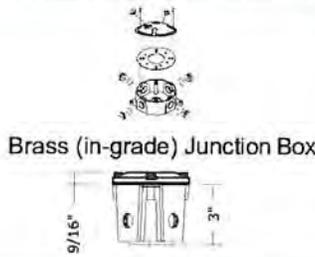


architectural junction box (AJ)

wall & ceiling adapter (WA)

npt adapter (NA)

ground stake (GS)

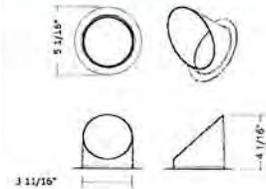
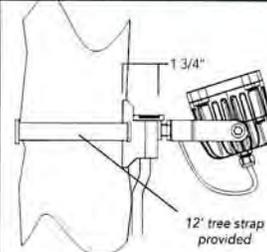
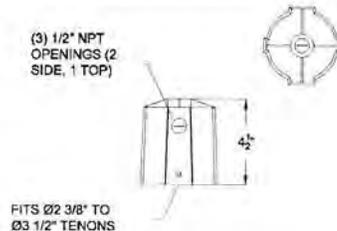
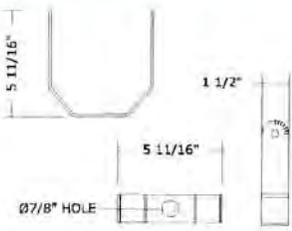


yoke mount (YM)

cast post-top adaptor (PA)

tree strap (TS)

visor (VS)



ORDERING EXAMPLE: FL-1 / 24W / HF / GS / VS / BB

model	source	optics	mounting	accessories	color
FL-1	17W 6-LED @ 700 mA	NF narrow flood (2x2)	YK yoke mount (standard)	VS visor	BB black
	24W 12-LED @ 520 mA	MF medium flood (4x4) HF horizontal flood (5x3) WF wide flood	AJ architectural junction box WA wall & ceiling adaptor GS ground stake PA cast post-top adaptor TS tree strap 12NA 1/2" NPT adaptor (standard) 34NA 3/4" NPT adaptor		BZ bronze BW white BG green BY gray MB metallic bronze MT metallic titanium ___ RAL ___ other

Construction: Die cast aluminum body designed for maximum heat dissipation. All extruded aluminum components shall be alloy 6061-T6, 6063-T5 or equal. The heavy aluminum flood housing shall be designed to accommodate all electrical and optical components. Access to the optical components shall be made by removing (4) stainless steel fasteners located on the front of the luminaire. Access to the electrical assembly shall be made by removing (4) stainless steel fasteners located on the back of the luminaire housing. The lens frame shall accommodate a clear or prismatic tempered glass lens which shall be mechanically sealed with a die cut sponge silicone gasket for weather tight operation in any fixed position.

Installation: Luminaire is designed to mount to both horizontal and vertical surfaces through a number of mounting accessories. Full 360° aiming may be made in the field; position shall be set by tightening two hex-head bolts on either side of the luminaire housing.

Electrical: The electrical assembly shall be comprised of an electronic LED driver designed to operate the integral 6 or 12-LED light emitting diode light engine (LED source). The driver shall be integrally mounted with nonferrous brackets and fasteners. The driver shall have a high temperature, flame-resistant (UL 94V-0 minimum), 90°C maximum surface temp rating, and thermally protected transient over-voltage circuit. The input voltage range shall be 100-277 VAC, 47 to 63 Hz with a 90% power factor at full load. Load regulation shall be +/- 3%. The driver shall have output over voltage and over current protection and output short circuit protection with Auto Recovery. Operating temperature shall be -30°C to 60°C. The driver shall be designed to operate for 100K hours (MTBF) and the LED source shall be rated for 50,000 hours (70% lumen maintenance). The LED source shall be mounted to a thermally conductive medium (heatsink) and located within the sealed optical chamber.

The luminaires shall be UL listed and suitable for wet locations.

Finish: All aluminum components shall be subjected to a 5-stage chrome-free pre-treatment process by immersion. Beacote V AAMA 2604 grade powder-coat paint shall be electrostatically applied following outgassing. All fasteners are stainless steel.

*consult factory



Applications:

- Marine Terminals
- Airports
- Distribution Centers
- Industrial Task Lighting
- Service Stations
- Mobile Rigs
- Mining
- Institutional Security

- Ports and Harbors
- Airports
- Security
- Military

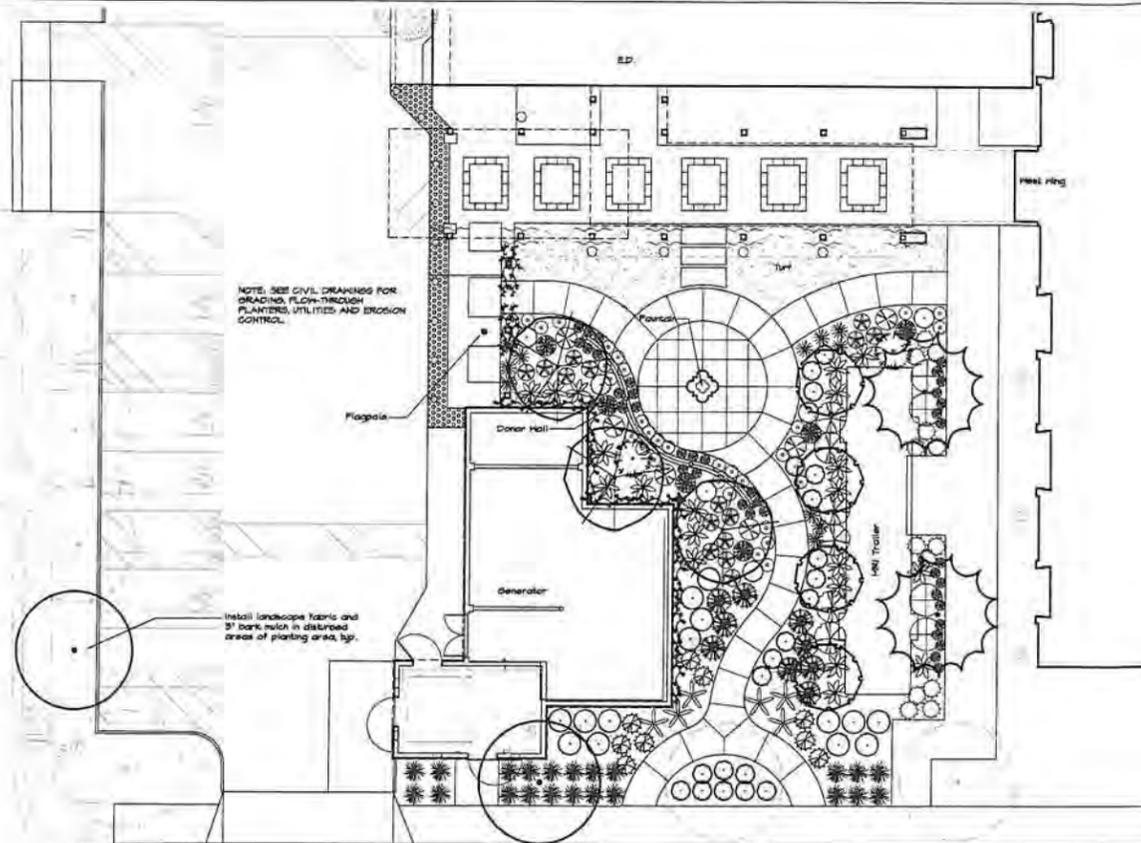
- Flag Poles
- Statues
- Outdoor Art Exhibits

- Uplighting
- Wall Washing
- Water Features
- Architectural Features

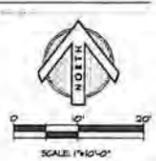
- Apparel
- Grocery
- Automotive
- Signage



FOURTH STREET WEST



BETTENCOURT STREET

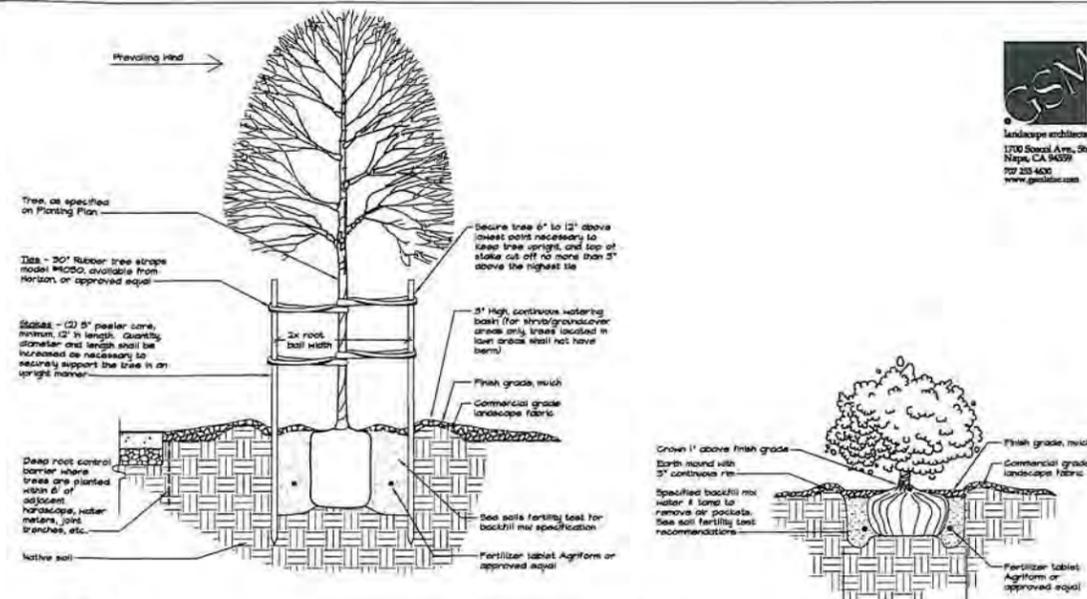


PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE
TREES				
	<i>Acer palmatum</i> (Sango Kaku)	Small Bark Japanese Maple	2	24" box, multi
	<i>Nandina domestica</i>	Flowering Crabapple	3	24" box, std.
	<i>Olea europaea</i> (Majestic Beauty)	Mini-Trunk Prunella Olive	4	24" box, multi
	<i>Liriodendron tulipifera</i> (Abend)	Elm Hybrid	3	24" box, std.
VINES				
	<i>Clematis vitalba</i>	Lavender Trumpet Vine	10	5 gallon
	<i>Jasminum polyanthum</i>	Jasmine	4	5 gallon
	<i>Parthenoclema integrifolia</i>	Boston Ivy	10	5 gallon
TURF				
	40-10 Tall Fescue	30% Dynasty Tall Fescue 30% Coyote Tall Fescue 30% Cobble III Tall Fescue 10% Blue Velvet Kentucky Bluegrass	500 SFS	500

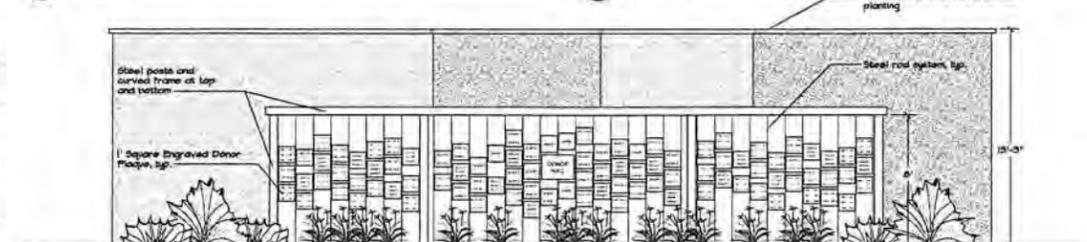
NOTE:
1. 40-10 Tall Fescue seed is available through Denise Bluegrass Company, (800) 697-6070

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE
SUBSTRATA/GRASSES/GROUNDCOVER/PERENNIALS				
	<i>Aloe vera</i>	Medical Aloe	1	1 gallon
	<i>Azalea</i> (Fletcher's White)	White Azalea	4	5 gallon
	<i>Berberis</i> (Inverberg's Atropurpurea)	Barberry	6	5 gallon
	<i>Galium aparine</i> (a. 'Nori Foerster')	Feather Reed Grass	14	1 gallon
	<i>Echinacea purpurea</i>	Purple Coneflower	18	1 gallon
	<i>Festuca ovina</i>	Atlas Fescue	22	1 gallon
	<i>Hamamelis virginica</i> (Orange)	Swampgreen Orange Dogwood	18	1 gallon
	<i>Hydrangea quercifolia</i>	Oakleaf Hydrangea	2	5 gallon
	<i>Lavandula x intermedia</i> (Shroed)	Grosso Lavender	20	1 gallon
	<i>Liriodendron tulipifera</i> (Siberian Sunset)	Variiegated Lily Turf	56	1 gallon
	<i>Hibiscus syriacus</i>	Creeeping Hibiscus	4	1 gallon
	<i>Phormium tenax</i> (Yellow Wave)	New Zealand Flax	6	5 gallon
	<i>Rosa rugosa</i> (Angel Face)	Lavender Rose	6	5 gallon
	<i>Rosa rugosa</i> (Dr. Lady of Shalotte)	Pink Rose	6	5 gallon
	<i>Rosa rugosa</i> (Yellow-Pink)	Yellow-Pink Rose	6	5 gallon
	<i>Rosmarinus officinalis</i> (Sailingwood Ingram)	Rosemary	4	5 gallon
	<i>Thymus serpyllifolius</i> (a. 'Lime Tree')	Lime Thyme	21	1 gallon
	<i>Vitex vitifolia</i> (David's Vitex)	David's Vitex	20	5 gallon



- NOTES:**
- Root ball shall rest on undisturbed soil.
 - Plant labels shall be equally spaced around root ball. The number of labels shall be 4 for 5 gallon and 6 for 24" or 36" box, or as specified in the soil fertility test recommendations.
 - Contractor shall water planting pit thoroughly following planting.
 - Trees shall be staked parallel with the direction of the prevailing wind.
 - See Planting Notes for much specification.

1 TREE PLANTING AND STAKING
NOT TO SCALE



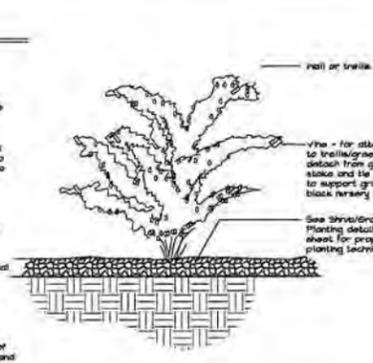
2 DONOR WALL - NORTH ELEVATION
NOT TO SCALE

- PLANTING NOTES**
- Prior to commencement of planting the installing Contractor shall verify locations of all underground utilities.
 - The installing Contractor shall remove all weeds, roots, abandoned existing irrigation piping, control valves and all other obstructions from the site.
 - Soil for all planted areas shall receive an application of pre-emergent herbicide as specified by a licensed pest control advisor, to insure non-weedy growth. Great care shall be taken to ensure that no pre-emergent herbicide is placed on or near existing trees to remain.
 - Installing Contractor shall verify existing grade in the field prior to planting. Finished grade of soil shall be three inches below top of curb and/or paving in bark mulch areas.
 - All landscape grades shall be smooth and feathered in appearance.
 - Soil for all planting areas except flow-through planters shall receive a commercial grade landscape fabric securely in place, and a minimum of 3" bark mulch. Bark mulch shall be Sonoma Compost Path Mulch (SOT) 664-010, or approved equal. No landscape fabric shall be installed in flow-through planters. Contractor shall provide and install 3" depth of 1/2" Tru-Turf River Rock on the bottom of the flow-through planters in law of bark mulch. See Civil Drawings for flow-through planters.
 - Irrigation system shall be fully operational prior to planting. Installing Contractor shall thoroughly water all plants immediately after planting.
 - All trees shall be staked and all plants installed per planting details. All trees shall be of adequate trunk caliper to stand without support.
 - All trees planted within 6" of adjacent paving curbs, landscape water meters, joint trenches, etc. shall receive linear root barriers (24" depth x 10" length minimum) as manufactured by Root Solutions (BOG) 354-014.
 - Installing Contractor shall conduct a soil fertility test and submit it to the Landscape Architect for approval prior to planting. Amendments for all planted areas shall adhere to the soil test recommendations.
 - The quantity on the Plant Legend is provided for convenience only, not accurate bidding purposes.
 - No plant material shall be substituted without prior written consent from the Landscape Architect.
 - Installing Contractor shall coordinate with Sonoma County Agriculture Commissioner for inspection of all plant material for health and assurance that no pests of evidence of Pierce's Disease are present.
 - See Civil Drawings prepared by Creegan and D'Angelo Infrastructure Engineers for landscape materials, and specified stormwater best management practice details. Drawings for flow-through planters.
 - OSM landscape architects has complied with the intent of the City of Sonoma Water Efficient Landscape Ordinance and has applied them for the efficient use of water in the landscape design plan.

SOILS MANAGEMENT NOTES

- The following organic amendments, soil amendments and fertilizer rates and quantities are to be used for general purposes only. Contractor shall arrange and pay for a soil fertility test by an accredited soils laboratory of existing site soil other than rough grading operations are complete, and shall amend the soils according to said laboratory's recommendations. The soil recommendations shall be considered a part of these contract documents. The soil report must provide the following information:
 - Soil permeability rate in inches per hour.
 - Soil texture test.
 - Cation exchange capacity.
 - Soil fertility, including test for nitrogen, potassium, phosphorus, pH, organic matter and specific conductance (electrical conductivity).
 - Recommendation for amendments to the planting area soil.
- Topsoil: All turf areas shall have a min. 6" depth of top soil and all landscape areas shall have a minimum 6" depth of topsoil. Topsoil shall be fertile and friable, possessing characteristics of representative productive soils on the site. It shall not contain toxic substances which may be harmful to plant growth, when herbicide contamination is suspected there a nearby grass growth trial must be performed. Contact with donor prior to decision to test. It shall be uniformly textured and free of all objectionable foreign materials, all or chemicals which may be injurious to plant growth. Natural topsoil shall possess a pH factor between 5.8 and 7.5, a cation absorption ratio (CAR) of less than 6, a solum concentration of the saturation extract of less than 1 ppm and acidity of the saturation extract at 25 degrees C. of less than 4.0 millimoles per centimeter. If required to import topsoil, Contractor shall obtain topsoil from naturally well-drained sites where topsoil occurs in a depth of not less than four inches (4") do not obtain from erode or marine. (Topsoil from the project stockpile which meets the requirements is acceptable).
- Organic Amendment: Rotted bark having a minimum organic content of 44% and a nitrogen content of 0.2% minimum to 1.2% maximum on a dry weight basis. If bark shall be shredded to pass a one quarter inch (1/4") mesh screen. Incorporate organic amendment and fertilizer into the soil to a minimum depth of eight inches (8") at a minimum rate of six cubic yards (6 cu yd) per one thousand square feet (1000 sf) or per specific amendment recommendations from the soil report. No amendment shall be added to the soil mix specified for flow-through planters. See Civil Drawings for flow-through planters.
- Fertilizer:
 - Fertilizer shall be a commercial inorganic fertilizer in the granular or pelleted form. Fertilizer shall be delivered to the site in containers labeled in accordance with the applicable State of California regulations, bearing the warranty of the producer or the grade furnished, and shall be uniform in composition, dry and free-flowing.
 - Planting Areas:
 - 30-20-20-0-0-0 and 16-6-6-0-0 pelleted type.
 - 50-10-10-0-0-0
 - Lime for pH adjustment of moderately acid soil.
 - Step this one (1) month after planting on a monthly basis.
 - 20-20-20-0-0 Ammonium sulfate, 5 lbs. per 1000 square feet.
- Trees:
 - 21 gram 20N-10P-5K slow release fertilizer tablets as manufactured by Agriform. Apply according to manufacturer's instructions.
 - After planting: 20N-10P-5K Ammonium sulfate 5lbs. per 1000 square feet.

4 VINE PLANTING
NOT TO SCALE



**Sonoma Valley Hospital
Facilities Improvement Project
Donor Courtyard**
347 Andrieux Street, Sonoma CA
Sonoma Valley Hospital

OSHPD NO. IS102429-49



CONSULTANTS



ARCHITECT



1717 2nd Street
Sacramento, CA 95811
916/441-6870
300 Q Street, Suite 100
Sacramento, CA 95814
916/229-4000
www.narcn.com

NO.	DESCRIPTION	DATE

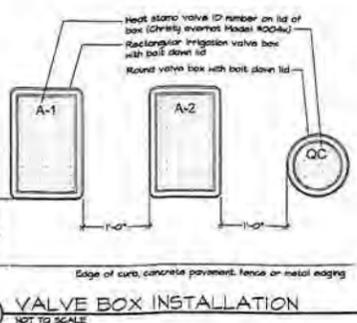
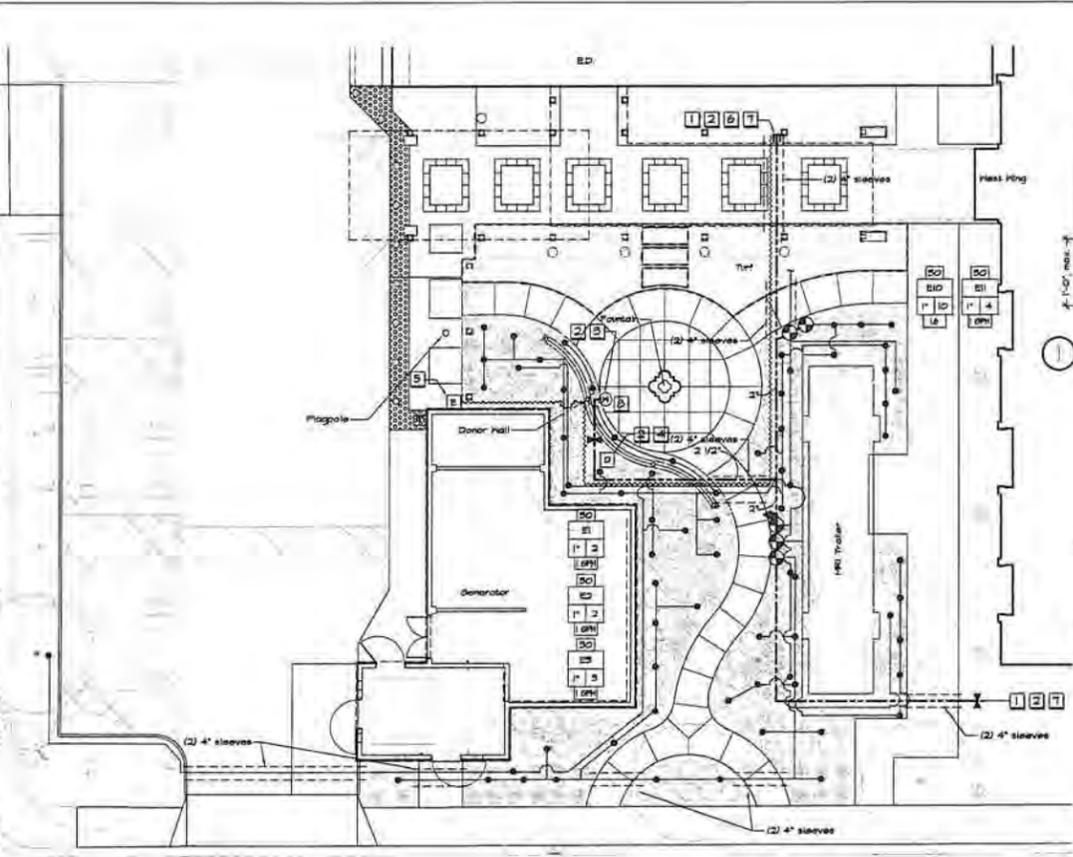
DATE: August 19, 2013
JOB NO. Y1008.00
OSHPD NO. IS102429-49
SHEET TITLE

PLANTING PLAN

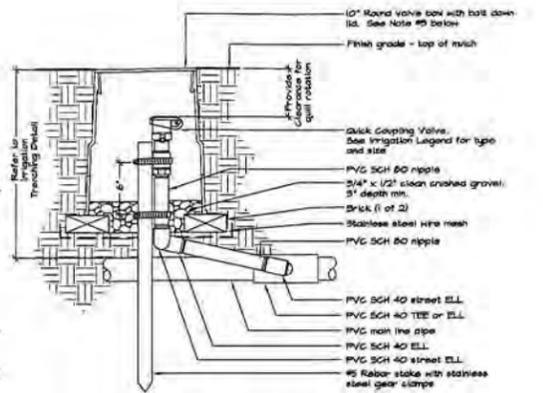
SHEET NO.

L1.0
DRG SUBMITTAL

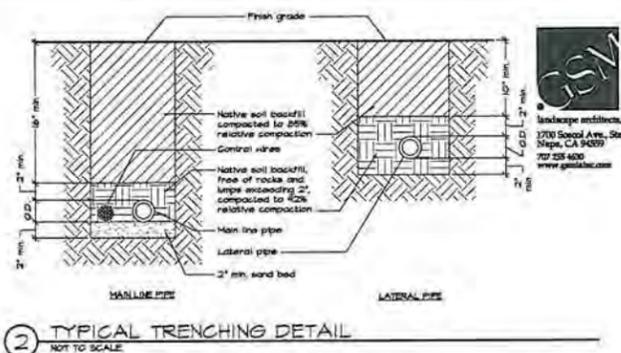
JUL 20 2013



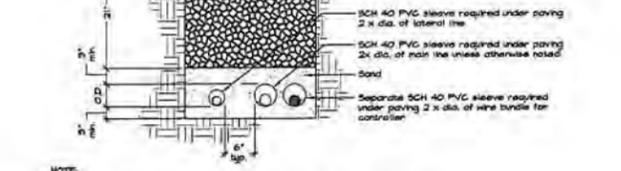
1 VALVE BOX INSTALLATION
NOT TO SCALE



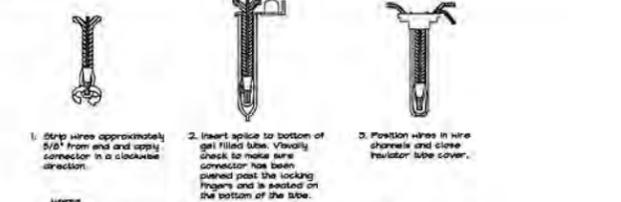
3 QUICK COUPLING VALVE
NOT TO SCALE



2 TYPICAL TRENCHING DETAIL
NOT TO SCALE



4 PIPE TRENCHING UNDER PAVEMENT
NOT TO SCALE



5 WIRE CONNECTOR
NOT TO SCALE

IRRIGATION NOTES

- Provide installation by persons familiar with irrigation work and under the supervision of a qualified supervisor.
- Obtain the permits required and provide labor and materials necessary to fully complete the work in accordance with the drawings.
- Locate and protect new and existing utilities prior to excavation.
- Do not damage existing utilities, paving or structures. Provide the necessary repairs without additional cost to the Owner.
- Remove debris and accumulation of debris as a result of irrigation construction from the site and leave areas in a clean condition acceptable to the Owner.
- Maintain the site for specified calendar days following acceptance of the work by the Owner and make corrections or repairs to the irrigation as directed by the Owner at the completion of the maintenance period. Refer to Specifications for calendar days of maintenance period.
- The drawings are diagrams. Equipment shown in paving or outside of property line is for clarity only. Install in planting areas where possible. Due to the scale of the drawings, all offsets, fittings, sleeves, etc. which may be required are not indicated. Investigate the structural and framed conditions affecting the contract work including obstructions, grade differences or area differences which may have not been considered in the engineering. Where field changes occur, coordinate the installation work accordingly by notification and approval of the Owner's authorized representative as per the contract Specifications. Coordinate irrigation contract work with all applicable Contractors for the location and installation of pipe, conduits, or sleeves of pipe, conduits or sleeves through or under walls, roadways, paving, structures, etc. before construction. Contractor shall assume full responsibility for required revision if these notifications are not performed.
- The intent of this irrigation system design is to provide the minimum amount of water required to sustain good plant health.
- Program the controller to provide the minimum amount of water needed to sustain good plant health. Make adjustments to the program for seasonal weather changes, plant material, water requirements, mounds and slopes, sun shade and wind exposure.
- A 120 Volt A.C. (2.5 AMP demand) electrical service shall be provided to the irrigation controller location under Electrical Contract work. Irrigation Contractor shall make final connection from electrical sub-panel to controller and provide proper grounding per controller manufacturer's instructions.
- Controller shall have its own ground rod. The ground rod shall be an eight foot long by 5/8" diameter U.L. approved copper clad rod. No more than 6" of the ground rod shall be above ground. Connect the ground wire with a U.L. approved ground clamp to rod and back to ground screw at base of controller with appropriate connector. This wire should be as short as possible, avoiding any kink or bending.
- Install new batteries in controller(s) to retain program in memory during temporary power failures. Use quantity, type, and size required as per controller manufacturer's instructions.
- Irrigation control wires for existing remote control valves. Solid strand copper with U.L. approval for direct burial in ground, size #12-14. Ground ground wires with white insulating jacket. Control wires insulating jacket of color other than white. Splices: Made with SH-DRY-6 seal packs.
- Irrigation control wires for new remote control valves. Under 2-wire (DUAL) with 2-wire decoders at each valve manifold and surge arrester at the end of each 2-wire path. Splices: Made with SH-DRY-6 seal packs.
- Install one spare wire of a different color along the entire main line. Loop 56" excess wire into each angle valve box. Weatherproof unneeded wire ends.
- Splicing of 24 volt wire is not permitted except in valve boxes. Leave a 30" long, 1" diameter coil of excess wire at each splice and a 24" long extension loop every 100 feet along wire run. Tape wires together every 12 feet. Taping of wire is not required inside valve boxes.
- Plastic valve boxes shall be black in color with bolt-down, non-flashed cover marked "IRRI-TRAC". Box boxes shall have knock-out. Do not saw for any reason.
- Install remote control valve boxes 12" from walk, curb, building or landscape feature. Each box shall be an equal distance from the walk, curb, etc. Short side of rectangular valve boxes shall be parallel to walk, curb, etc.
- Notify local water jurisdiction for inspection and testing of installed backflow prevention device as required.
- The irrigation system design is based on the minimum operation pressure shown on the irrigation drawings. Verify water pressure prior to construction. Report any difference between the water pressure indicated on the drawings and the actual pressure existing at the irrigation point of connection to the Owner.
- Irrigation demand: 44 gpm at a minimum of 48 dynamic psi at the connection to existing main line.
- Pipe listed shown on the drawings is typical and for reference only. As field changes in the layout occur during siting and construction adjust the size accordingly. Do not exceed 5 FPS.
- Pipe thread sealant compound: Permatex 51 or Rectaneal TV-2.
- Verify that the point of water connection site, the water pressure, and the proposed and existing controller locations are on the plans indicate prior to installation. Pressure tests and controller confirmation shall be performed by the Contractor and made available for the Owner to review prior to installation of the irrigation system.
- Evapotranspiration-based self-adjusting irrigation system for automatic irrigation systems and the use of a water-efficient irrigation system for irrigating plant areas are incorporated into the irrigation drawings. Required irrigation systems shall be fully notified in a separate operating condition with sensors and either be cleaned periodically and replaced when making to provide continued regular watering of landscape areas, and health and vitality of plants.
- No material shall be substituted without the consent of the Owner and approval by the Landscape Architect.
- The installing Contractor shall perform main line testing after the installation of all irrigation equipment and valves, and prior to the installation of emitters and laterals. Fill main line with water and thoroughly bleed the line of air. All fittings shall be exposed and pipe sections center loaded. Install pressure gauge and maintain 125 psi for a period of four (4) hours without leakage. Any leaking fittings, pipes or valves shall be immediately replaced and another pressure test scheduled and conducted. The installing Contractor shall not allow any cause of their work to be covered until it has been inspected and tested as above and approved by the Owner.
- The irrigation system is designed for one valve to operate at a time. The irrigation system is intended to operate between sunset and sunrise to avoid irrigating during times of high wind or temperatures with a minimum of 1 hour between watering cycles on a station.
- Irrigation components have been sized to minimize pressure loss within the system due to operate with the available water pressure. Do not increase these components or the pressure losses of the system will be increased and the valves, batteries, and emitter heads may not operate properly.
- GRS Landscape Architects, Inc. has complied with the criteria of the City of Sonoma Water Efficient Landscape Ordinance and applied them for the efficient use of water in the irrigation design plan.

SHEET NOTES

- For existing irrigation system, refer to Record Drawings: Irrigation Plan for Sonoma Valley Hospital, Sheets L6, L7 and L8, prepared by Flagg & La Rosca Landscape Architects dated Nov. 10, 1980.
- Contractor shall provide and verify locations of all existing irrigation components in the project area prior to demolition. Install new main line and remote control valve wires for all new and existing remote control valves. All wire splices shall be made in valve boxes. Provide and install valve boxes as required. Demolish existing irrigation components that are removed from service. Provide temporary irrigation for all new and existing landscaping while irrigation system is off line.
- Drilling well which is the current point of connection for most of the campus irrigation system shall be demolished. See Civil Drawings. Connect new main line to existing main line. Note: No record drawings for existing well or connection to existing irrigation system were available at the time of design.
- Existing irrigation controller shall be salvaged and returned to Owner. Note: No record drawings for existing controller or connection to existing irrigation system were available at the time of design.
- Irrigation Controller (Mail Header):
Irrigation Contractor shall provide and install:
1. The controller shall be mounted as directed by General Contractor and Owner.
2. The 120 VAC electrical connections to the controller terminals.
3. Laminated irrigation plans and schedules as the Specifications indicate.
Electrical Contractor shall provide and install:
1. The 120 VAC, 1 Phase 15 AMP electrical service from source to controller location.
2. The electrical conduit, pull boxes, wiring and wire from electrical source to controller location. Wire size to be determined under electrical work based upon the electrical loads indicated on these plans. Wire type to be selected under electrical work based upon the existing electrical specifications, THHN or equal.
- Future Point of Connection: Cop main line below grade for connection to new well. See Increment 3 Irrigation Plan for additional information.
- Install common wire and 12 remote control wires in a valve box with continuous wire path to Controller E. Locate and connect to all existing irrigation control wires impacted by construction to provide automatic control of existing remote control valves. Install continuous 2-wire path from Controller E for and terminate with surge arrester in valve box according to Manufacturer specifications. Provide 20' linear length of wire for all wires for future extension. See Increment 3 Irrigation Plan for additional information.
- Route irrigation piping and wire to avoid posts, locations, footings and utilities, etc.

IRRIGATION LEGEND

SYMBOL	MODEL	DESCRIPTION
MANHOLE		
A B C	Existing Controller	Refer to Record Documents. See Sheet Note 4.
D	Existing Controller	Salvage and return to Owner. All stations served by controller shall be connected to new main line and new controller E.
E	G-2400-DUAL-4M/5M/6M/7M/DUAL-2/DUAL-3	Hunter 1-Core Irrigation controller with plug-in 2-wire control output module, 4 six station plug-in modules, partial cabinet, and wireless Hunter Solar Sync ET sensor and module, Hunter 1 or 2 station decoders at each valve group, five 2-wire decoder cable, and surge arrester. Mount "Solar Sync" sensor to south or west face of designated building or structure. Install common and remote control valve wires to existing irrigation. Install 1/4" Hunter decoder cable to new valve manifold and install Hunter 2-wire decoders as follows: 1 valve use DUAL-1, 2 valves use DUAL-2. Install surge arrester in a valve box at the end of each 2-wire path. All splices shall be in a valve box using SH-DRY-6 splices. Provide 300' min. wire length at all splices. Contact Hunter representative, Chris Holsby (707) 649-5840 for additional information.
F	Solar Sync ET Sensor	
G	D20-100-1-L1 or D20-100-1-R1	Toro 1" Drip Remote Control Valve with filter and pressure regulator. Install as follows: - Zone 6 GPM + 1-8 GPM 8-142 GPM use the Low Flow (LF) 18' rotator from 21-0-02 GPM - Zone 6 GPM + 8-20 GPM 41-1200 GPM use the Medium Flow (MF) 18' rotator from 20-00-02 GPM
H	SDNP	Rain Bird Quick Coupling Valve, 3/4", two pieces.
I	Nbca T-15-IRK-K	Nbca Bronze Disk Valve
DRIP EMISSIONS		
J	Rain Bird Rain Bird 350-01	Multi-Outlet Drip Emission Device. Provide and install in-line pressure regulator for all emission devices.
		5 1/2" box 4 24" box 4 5 gallon 2 1 gallon 1
PIPE AND SLEEVES		
---	Main line with soil cover, 120-schedule 40 PVC plastic pipe with schedule 80 PVC plastic solvent welded fittings. 18 inch soil cover, 24 inch cover under pavement. Size 2" unless otherwise noted.	
---	Lateral line, 120-schedule 40 PVC plastic pipe with schedule 40 PVC plastic solvent welded fittings. 12 inch soil cover, 24 inch of high sand or gravel under pavement. Size 1" unless otherwise noted.	
---	Sleeve, 120-schedule 40 PVC plastic pipe with schedule 40 PVC plastic solvent welded fittings. 24 inch soil cover under pavement. Extend 18 inches beyond edge of pavement. Prevent soil or rock intrusion into sleeve above and after construction.	
---	Electrical Conduit for Future Use, 120-schedule 40 PVC electrical conduit with schedule 40 PVC grey solvent welded sweep elbows and fittings. 18 inch soil cover and 24" cover under pavement. Size 1" unless otherwise noted. Install 1/4" Hunter plastic pull box at ends of conduit, and at 200' on center maximum.	
---	Sub-surface Drip Line Boundary - Toro DL2000 PG drip line with rectangular ROP-412-05-E, 1/2" GPM emitters with 12" emitter spacing, 1/2" riser at 12" OC and 4" if cover. Install automatic flush valves, operational indicators and 5" vacuum relief valves per project details.	

NOTES:

- Multi-Outlet Drip Emitters locations and quantities are approximate. Actual locations and quantities shall be field determined to conform with final planting.

PIPING AND SLEEVES:

--- Main line with soil cover, 120-schedule 40 PVC plastic pipe with schedule 80 PVC plastic solvent welded fittings. 18 inch soil cover, 24 inch cover under pavement. Size 2" unless otherwise noted.

--- Lateral line, 120-schedule 40 PVC plastic pipe with schedule 40 PVC plastic solvent welded fittings. 12 inch soil cover, 24 inch of high sand or gravel under pavement. Size 1" unless otherwise noted.

--- Sleeve, 120-schedule 40 PVC plastic pipe with schedule 40 PVC plastic solvent welded fittings. 24 inch soil cover under pavement. Extend 18 inches beyond edge of pavement. Prevent soil or rock intrusion into sleeve above and after construction.

--- Electrical Conduit for Future Use, 120-schedule 40 PVC electrical conduit with schedule 40 PVC grey solvent welded sweep elbows and fittings. 18 inch soil cover and 24" cover under pavement. Size 1" unless otherwise noted. Install 1/4" Hunter plastic pull box at ends of conduit, and at 200' on center maximum.

--- Sub-surface Drip Line Boundary - Toro DL2000 PG drip line with rectangular ROP-412-05-E, 1/2" GPM emitters with 12" emitter spacing, 1/2" riser at 12" OC and 4" if cover. Install automatic flush valves, operational indicators and 5" vacuum relief valves per project details.

LEGEND:

50	PS
1	Station number
1 1/2	GPM + gallons per minute
1/2"	Precipitation rate
GPM	GPM + gallons per hour

**Sonoma Valley Hospital
Facilities Improvement Project
Donor Courtyard**
347 Andrioux Street, Sonoma CA
Sonoma Valley Hospital

OSHPD NO. IS102429-49



CONSULTANTS



ARCHITECT



1717 2nd Street
Sacramento, CA 95811
916-441-0870
600 Q Street, Suite 100
Sacramento, CA 95814
916-223-4000
www.nlsrch.com

REVISIONS

NO.	DESCRIPTION	DATE

DATE August 19, 2013
JOB NO. Y1005.00
OSHPD NO. IS102429-49
SHEET TITLE

**IRRIGATION PLAN
AND DETAILS**

SHEET NO.

L2.0

DRG. SUBMITTAL

HYDROZONE TABLE							
HYDROZONE VALVE	WATER USE	MATERIAL TYPE	IRRIGATION METHOD	PLANT FACTOR	AREA (SF)	PLANT FACTOR x HYDROZONE AREA (SF)	% OF TOTAL LANDSCAPE AREA
E1	MH	TREES	DRIP	0.6	71	42.60	2.47
E2	MH	SHRUBS	DRIP	0.6	243	145.80	7.78
E3	LH	SHRUBS	DRIP	3	1164	350.70	17.40
E10	MH	TURF	DRIP	1	580	580.00	30.60
E11	SLA	HEALING GARDEN	DRIP	3	1090	327.00	16.66
TOTALS:					5118	1627.10	100%

SUMMARY HYDROZONE TABLE		
HYDROZONES*	AREA (SF)	% OF TOTAL LANDSCAPE AREA
HIGH WATER USE PLANTS	580	11.53%
MEDIUM WATER USE PLANTS	320	6.25%
LOW WATER USE PLANTS	1164	22.74%
SPECIAL LANDSCAPE AREA	1090	21.30%
TOTALS	5118	100%

*HYDROZONE
 MH = HIGH WATER USE PLANTS
 LH = LOW WATER USE PLANTS
 SLA = SPECIAL LANDSCAPE AREA

WATER USE CALCULATIONS

$$MAWA = (E10) (0.62) ((0.6 \times LA) + (0.3 \times SLA))$$

$$= (28.58) ((0.6 \times 580) + (0.3 \times 1090))$$

$$= 62,476 \text{ GALLONS}$$

ESTIMATED TOTAL WATER USE (ETW)

HIGH WATER USE TURF AREA	
ETW = (ET0) (0.62) (PP x HA)/(EO.85)	46.1
HYDROZONE AREA	580 SF
PLANT FACTOR	1.00
ETW	18303 GALLONS

MEDIUM WATER USE TREE AREA

ETW = (ET0) (0.62) (PP x HA)/(EO.85)	46.1
HYDROZONE AREA	71 SF
PLANT FACTOR	0.60
ETW	1835 GALLONS

MEDIUM WATER USE SHRUB AREA

ETW = (ET0) (0.62) (PP x HA)/(EO.85)	46.1
HYDROZONE AREA	243 SF
PLANT FACTOR	0.60
ETW	4902 GALLONS

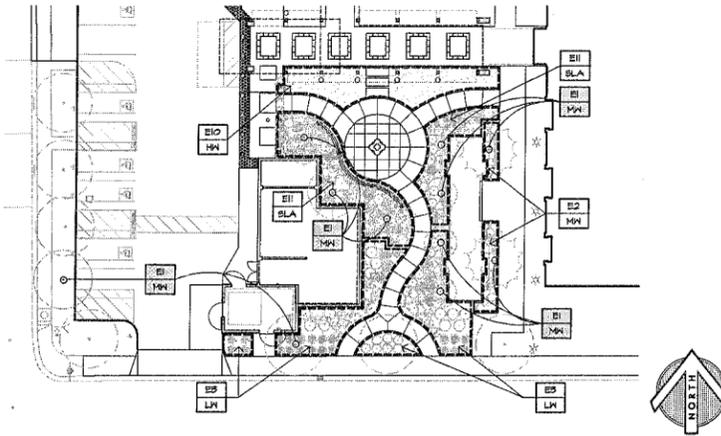
LOW WATER USE SHRUB AREA

ETW = (ET0) (0.62) (PP x HA)/(EO.85)	46.1
HYDROZONE AREA	1164 SF
PLANT FACTOR	0.30
ETW	11792 GALLONS

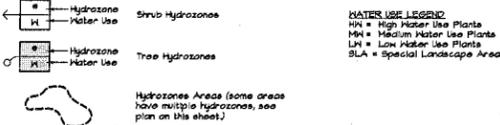
SPECIAL LANDSCAPE AREA - HEALING GARDEN

ETW = (ET0) (0.62) (HA)	46.1
HYDROZONE AREA	1090 SF
ETW	30209 GALLONS

TOTAL ETW 61,160.30

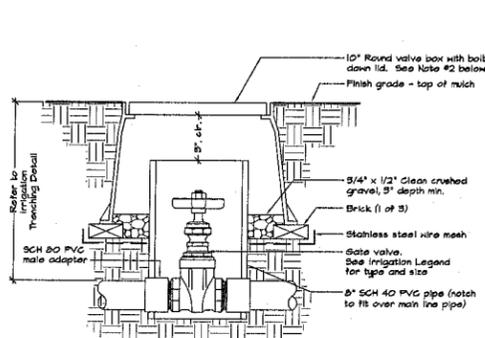


HYDROZONE LEGEND AND TABLE



1 IRRIGATION WATER USE CALCULATIONS

NOT TO SCALE

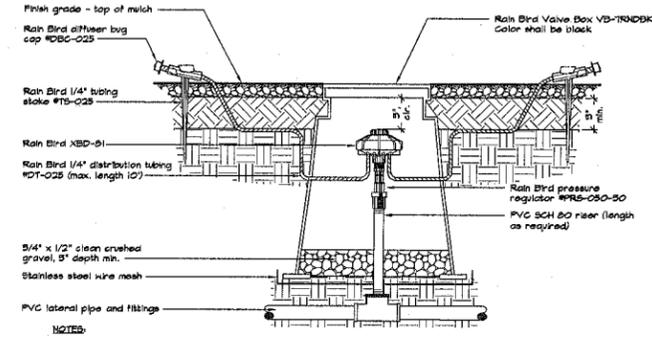


NOTES:

- See Detail 1 on Sheet L2.0 for Valve Box Installation.
- Valve box shall be Carson #10-10 and shall have a T-Cover with bolt down lock-bit. Color shall be black.
- Install 6 mesh 1304 stainless steel wire mesh below valve box. Wire diameter shall be .025.
- Set top of Gate valve box flush with finish grade.

3 GATE VALVE

NOT TO SCALE



NOTES:

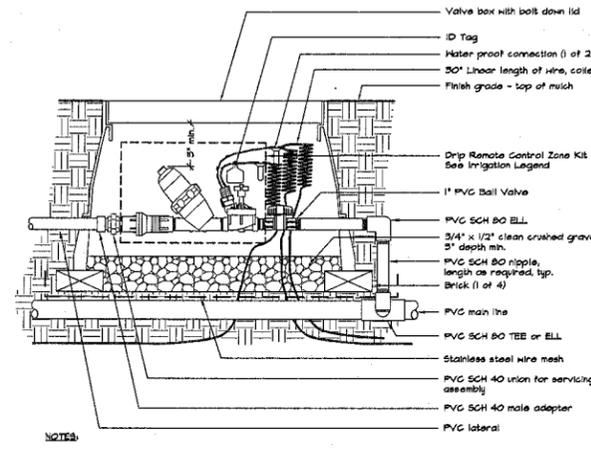
- See Detail 1 on Sheet L2.0 for Valve Box Installation.
- Install a port plug on unused ports.
- Install 6 mesh 1304 stainless steel wire mesh below valve box. Wire diameter shall be .025.
- Place point of water emission from distribution to emit directly on rootball of plant.
- Set top of Multi-Outlet Drip Emission Device valve box flush with finish grade.

4 MULTI-OUTLET DRIP EMISSION DEVICE

NOT TO SCALE

2 HYDROZONE PLAN

1/2" = 1'-0"



NOTES:

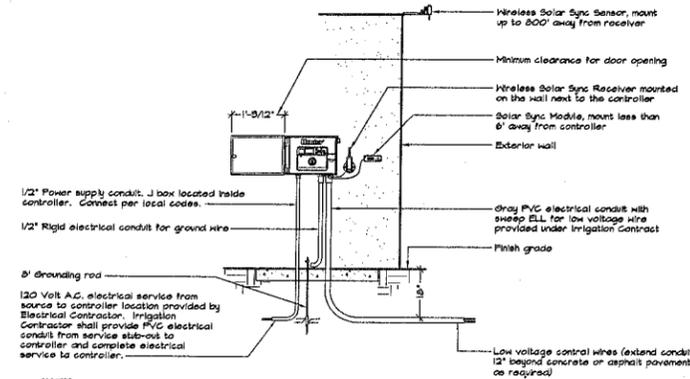
- See Detail 1 on this sheet for Valve Box Installation.
- Install 6 mesh 1304 stainless steel wire mesh below valve box. Wire diameter shall be .025.
- Valve box shall be Carson #24-18 Super-Jumbo and shall have a T-cover with bolt down lock-bit. Color shall be black.
- Install casing within valve box to make components accessible for service and maintenance (typical).
- Set top of Drip Remote Control valve box flush with finish grade.

5 DRIP REMOTE CONTROL VALVE

NOT TO SCALE

6 WALL MOUNT CONTROLLER WITH RAIN SENSOR

NOT TO SCALE



NOTES:

- All conduits shall be painted to match wall color.
- Mount controller with LCD screen at eye level.



landscape architects, inc.
 1700 Sycamore Ave., Ste. 23
 Napa, CA 94559
 707 253 4630
 www.csllandscape.com

Sonoma Valley Hospital
 Facilities Improvement Project
 Donor Courtyard
 347 Andrieux Street, Sonoma CA
 Sonoma Valley Hospital

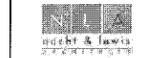
OSHPD NO. IS102420-49



CONSULTANTS



ARCHITECT



1717 2nd Street
 Sacramento, CA 95811
 916/441-6870

603 Q Street, Suite 100
 Sacramento, CA 95814
 916/329-4000
 www.nlrch.com

REVISIONS

NO.	DESCRIPTION	DATE
1	CITY BACKCHECK	11/16/11

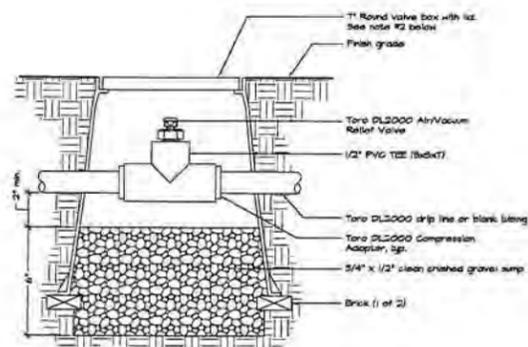
DATE August 19, 2013
 JOB NO. Y1006.00
 OSHPD NO. IS102420-49
 SHEET TITLE

IRRIGATION DETAILS
 AND WATER
 USE CALCULATIONS

SHEET NO.

L2.1

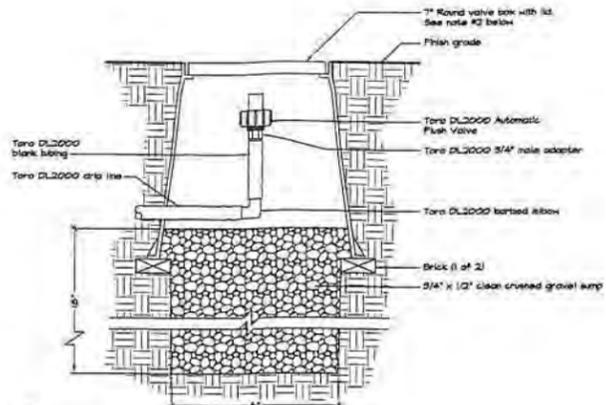
DRG SUBMITTAL



NOTES:

- See Detail 1 on Sheet L2.0 for Valve Box Installation.
- Valve box shall be Rain Bird model PVB-TRDGP. Color shall be black.
- Air/Vacuum Relief Valve cannot be connected lower than drip line lateral.

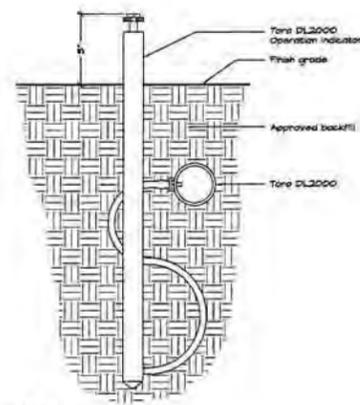
1 1/2" AIR/VACUUM RELIEF VALVE
NOT TO SCALE



NOTES:

- See Detail 1 on Sheet L2.0 for Valve Box Installation.
- Valve box shall be Rain Bird model PVB-TRDGP. Color shall be black.
- Flush rates 0.8 gpm.
- Sealing pressure: 2 PSI.

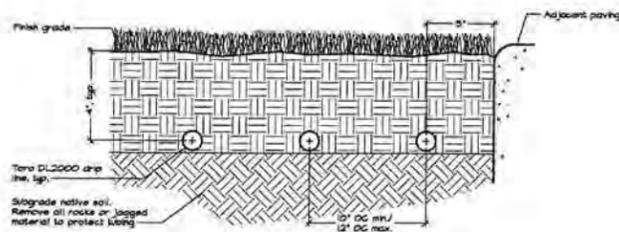
2 AUTOMATIC FLUSH VALVE
NOT TO SCALE



NOTES:

- Use one-year drip line.
- Do not install in an area of pedestrian or vehicular traffic. Place in an area out of harm's way.

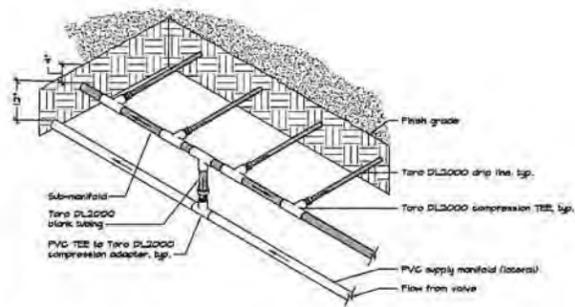
3 OPERATION INDICATOR
NOT TO SCALE



NOTES:

- See Irrigation Legend for quantity required per station.

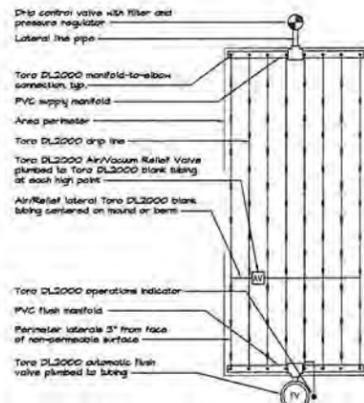
4 SUB-SURFACE DRIP LINE
NOT TO SCALE



NOTES:

- Refer to Irrigation Drawing and Legend for additional information.
- Install drip line 4 inches below finish grade and stake drip line every 4 feet or as necessary to secure the tubing from movement.
- Use only Toro Compression fittings with Toro drip line tubing.
- Install fittings to tubing as directed by manufacturer.

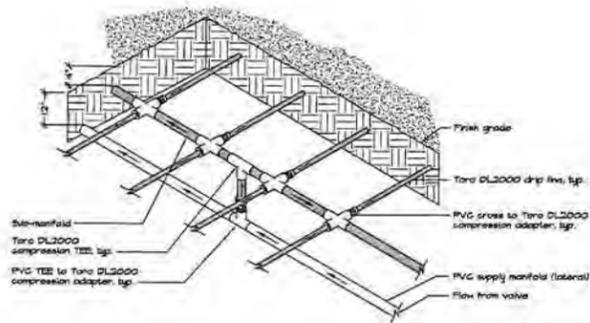
5 END FEED MANIFOLD
NOT TO SCALE



NOTES:

- Refer to Irrigation Drawing and Legend for additional information.
- Install drip line 4 inches below finish grade and stake drip line every 4 feet or as necessary to secure the tubing from movement.
- Use only Toro Compression fittings with Toro drip line tubing.
- Install fittings to tubing as directed by manufacturer.

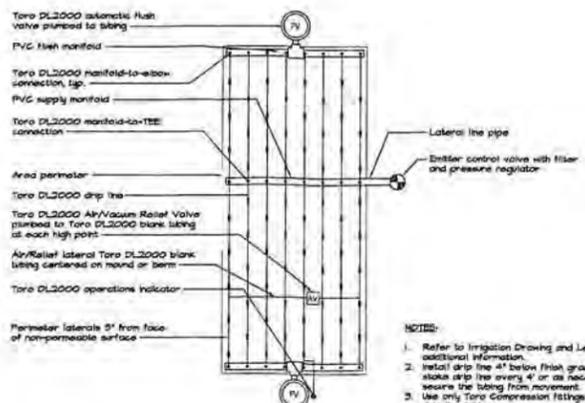
6 END FEED LAYOUT
NOT TO SCALE



NOTES:

- Refer to Irrigation Drawing and Legend for additional information.
- Install drip line 4 inches below finish grade and stake drip line every 4 feet or as necessary to secure the tubing from movement.
- Use only Toro Compression fittings with Toro drip line tubing.
- Install fittings to tubing as directed by manufacturer.

7 CENTER FEED MANIFOLD
NOT TO SCALE



NOTES:

- Refer to Irrigation Drawing and Legend for additional information.
- Install drip line 4 inches below finish grade and stake drip line every 4 feet or as necessary to secure the tubing from movement.
- Use only Toro Compression fittings with Toro drip line tubing.
- Install fittings to tubing as directed by manufacturer.

8 CENTER FEED LAYOUT
NOT TO SCALE



**Sonoma Valley Hospital
Facilities Improvement Project
Donor Courtyard**
347 Andrieux Street, Sonoma CA
Sonoma Valley Hospital

OSHPD NO. IS102429-49



CONSULTANTS



ARCHITECT



1717 2nd Street
Sacramento, CA 95811
916/443-6870

609 Q Street, Suite 100
Sacramento, CA 95814
916/325-0100
www.natch.com

REVISIONS

NO.	DESCRIPTION	DATE
1	CITY BACKCHECK	12/18/11

DATE: August 19, 2013
JOB NO. Y1006.00
OSHPD NO. IS102429-49
SHEET TITLE

IRRIGATION DETAILS

SHEET NO.

L2.2

ORC SUBMITTAL



ELECTRICAL SYSTEMS FOR: SONOMA VALLEY HOSPITAL

Sonoma Valley Hospital
Facility Improvement Project -
Increment 3
347 Andrieux Street, Sonoma CA
Sonoma Valley Hospital

SYMBOL LIST, NOTATION AND ABBREVIATIONS

LIGHTING

FLUORESCENT LIGHT FIXTURE - RECESS MTD.
NL OR EMERGENCY FLUORESCENT LIGHT FIXTURE - RECESS MTD.
FLUORESCENT LIGHT FIXTURE - SURFACE MTD./PENDANT HUNG
NL OR EMERGENCY FLUORESCENT LIGHT FIXTURE - SURFACE MTD./PENDANT HUNG
FLUORESCENT STRIP LIGHT FIXTURE - SURFACE MTD./CHAIN HUNG
DOWNLIGHT (FLUORESCENT/INCANDESCENT/HID) - RECESS MTD.
WALLWASH DOWNLIGHT (FLUORESCENT/INCANDESCENT/HID) LIGHT FIXTURE - RECESS MTD.
DOWNLIGHT (FLUORESCENT/INCANDESCENT/HID) - SURFACE MTD.
FLUORESCENT/INCANDESCENT/HID LIGHT FIXTURE - WALL MTD.
HIGHWAY/GARAGE HD LIGHT FIXTURE - SURFACE MTD./PENDANT HUNG
PENDANT MTD. FIXTURE (FLUORESCENT/INCANDESCENT/HID)
FIXTURE (FLUORESCENT/INCANDESCENT/HID) MTD. ON POLE WITH INDICATED HEIGHT.
FLOODLIGHT (FLUORESCENT/INCANDESCENT/HID)
BOLLARD (FLUORESCENT/INCANDESCENT/HID)
EXTERIOR LIGHT (FLUORESCENT/INCANDESCENT/HID) - WALL MTD.
EXIT LIGHT w/ ARROWS AS SHOWN - CEILING MTD.
EXIT LIGHT w/ ARROWS AS SHOWN - WALL MTD.
EXIT LIGHT - LOW LEVEL - WALL MTD. @ +5" AFF TO BOTTOM OF SIGN
SINGLE POLE TOGGLE SWITCH, MTD @ +48" UNO
SUBSCRIPTS: 2 = TWO POLE
3 = THREE-WAY
4 = FOUR-WAY
D = DIMMER, SIZE AS NOTED
K = KEY OPERATED
M = AUTOMATIC or MOTOR RATED
OC = OCCUPANCY SENSOR
P = w/ PILOT LIGHT
T = TIME SWITCH, SPRING-WOUND, NO-HELD, 30 MIN. BY-PASS

NOTE: LOWER CASE LETTERS INDICATED SWITCH FUNCTIONS
OCCUPANCY SENSOR - CEILING MTD
POWER PACK FOR LOW VOLTAGE CONTROLS.

NOTES / ABBREVIATIONS

AFF ABOVE FINISHED FLOOR, SEE ARCHITECTURAL PLANS
NIES NOT IN ELECTRICAL SECTION OF THESE PLANS & SPECIFICATIONS
UNO UNLESS NOTED OTHERWISE
MT EMPTY CONDUIT w/ PULLSTRING
EM EMERGENCY LIGHT
IG ISOLATED GROUND
NL NIGHT LIGHT
(E) EXISTING
(N) NEW
C CONDUIT
WP WEATHERPROOF
MTD. MOUNTED
FLAG NOTE SHOWN ON SAME SHEET
MECHANICAL/PLUMBING EQUIPMENT DESIGNATION
DETAIL DESIGNATION TAG, TOP NUMBER INDICATES DETAIL, BOTTOM LETTER INDICATES SHEET LOCATED ON

POWER

1 20A DUPLEX RECEPTACLE, 20AMP 125V 3W NEMA 5-20R, MTD. @ +18" UNO
2 DOUBLE DUPLEX RECEPTACLE, 20AMP 125V 3W NEMA 5-20R, MTD. @ +18" UNO
3 EMERGENCY POWER RECEPTACLE
4 DUPLEX RECEPTACLE, 20AMP 125V 3W NEMA 5-20R, MTD. @ FIN. FLOOR
5 DOUBLE DUPLEX RECEPTACLE, 20AMP 125V 3W NEMA 5-20R, MTD. @ FIN. FLOOR
6 DUPLEX GFCI RECEPTACLE, 20AMP 125V 3W NEMA 5-20R, MTD. @ +18" UNO
RECEPTACLE SUBSCRIPTS: A = ABOVE COUNTER
C = CEILING MOUNTED
D = DEDICATED
IG = ISOLATED GROUND
WP = WEATHERPROOF

NOTE: LOWER CASE LETTERS INDICATED SWITCH FUNCTIONS
SPECIAL OUTLET, SEE PLANS FOR SPECIFICATIONS, MTD @ +18" UNO
SPECIAL OUTLET, SEE PLANS FOR SPECIFICATIONS, MTD @ FIN. FLOOR
JUNCTION BOX, SIZE & TYPE AS REQUIRED AND/OR INDICATED
WALL MTD. JUNCTION BOX, SIZE & TYPE AS REQUIRED AND/OR INDICATED
POWER/TELE DATA POLE
JUNCTION BOX FOR POWER SUPPLY TO PRE-WIRED WORKSTATION - WALL MTD.
JUNCTION BOX FOR POWER SUPPLY TO PRE-WIRED WORKSTATION - MTD. @ FIN. FLOOR
NON-FUSED DISCONNECT SWITCH, SIZE AS INDICATED ON PLAN
FUSED DISCONNECT SWITCH, SIZE AS INDICATED ON PLAN
SIZE FUSES PER MANUFACTURER'S NAMEPLATE
CIRCUIT BREAKER DISCONNECT SWITCH, SIZE AS INDICATED ON PLAN
ELECTRICAL EQUIPMENT, CONNECT AS REQUIRED
PUSHBUTTON
MOTOR, MIES, CONNECT AS REQUIRED, NUMBER INDICATES HORSEPOWER
MAIN SWITCHBOARD OR MOTOR CONTROL CENTER, SEE ONE LINE DIAGRAM
TRANSFORMER, SIZE & MOUNTING AS INDICATED
PANELBOARD - SEE SCHEDULE FOR SIZE & MOUNTING
TERMINAL CABINET - SIZE & TYPE AS INDICATED
TELEPHONE TERMINAL BACKBOARD, 4"x8"x3/4" PLYWOOD OR AS NOTED w/
ADDITIONAL NUMBER OF #12 - 1/4", 3 #12 - 1/4", 3 #12 & 1 #12 GROUND;
HOMERUN TO INDICATED PANELBOARD OR TERMINAL CABINET
CONDUIT RUN CONCEALED BELOW FLOOR OR FINISHED GRADE
CONDUIT/MC CABLE (WHERE ALLOWED) RUN CONCEALED IN WALL OR ABOVE CEILING
CONDUIT/MC CABLE STUB UP
CONDUIT/MC CABLE STUB DOWN
BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES A 2 #12 CU WIRE CIRCUIT.
ADDITIONAL NUMBER OF #12 - 1/4", 3 #12 - 1/4", 3 #12 & 1 #12 GROUND;
1/4" - 5 #12 & 1 #12 GROUND, ETC. OTHER WIRE SIZES: 1/2", 2 #10
& 1 #12 GROUND; 3/4", 3 #4 & 1 #8 GROUND, ETC.

TELECOMMUNICATIONS / LOW VOLTAGE

10 JUNCTION BOX FOR TELE/DATA CABLE ACCESS TO WORKSTATION - WALL MTD.
11 JUNCTION BOX FOR TELE/DATA CABLE ACCESS TO WORKSTATION - FLUSH MTD.
JUNCTION BOX SUBSCRIPTS: # = INDICATES NUMBER OF WORKSTATIONS CONNECTED
DATA OUTLET, w/ SINGLE DEVICE RING & PLATE @ +18" UNO
DATA OUTLET, MTD @ FINISHED FLOOR
TELEPHONE OUTLET, w/ SINGLE DEVICE RING & PLATE @ +18" UNO
PUBLIC TELEPHONE OUTLET, MOUNTING HEIGHT AS INDICATED
TELEPHONE OUTLET, MTD. @ FINISHED FLOOR
TELEPHONE/DATA OUTLET, w/ DEVICE RING & PLATE @ +18" UNO
TELEPHONE/DATA OUTLET, w/ 4" SQ. BOX & CONDUIT TO ABOVE CEILING, MTD. @ +18" UNO
TELEPHONE/DATA OUTLET, MTD. @ FINISHED FLOOR
CLOSED CAPTION TELEVISION
CARD READER - WALL MTD.
SPEAKER - CEILING MTD.
TELEVISION OUTLET, MTD. @ +18" UNO
LINE VOLTAGE THERMOSTAT, MIES, INSTALL & CONNECT AS REQUIRED
LOW VOLTAGE CHIME/DOOR BELL

COORDINATION MATRIX

NOTE 1: "MECH" SHALL SPECIFY UNIT WITH PREWIRED CONTROL PANEL AND INTERNAL MAIN DISCONNECT. ELECTRICAL SHALL PROVIDE SINGLE POINT POWER FEED CONNECTION
NOTE 2: "MECH", "PLUMB", "MECH/PLUMB", "FIRE PROTECT.", "ELECT", OR "GENERAL" INDICATES ITEM NOT PROVIDED BY ELECTRICAL. REFER TO CONTRACT FOR PROVIDER.
NOTE 3: "FIRE ALARM" PROVIDED BY ELECTRICAL WORK INCLUDED IN ELECTRICAL CONTRACT.
N/A = NOT APPLICABLE

DESCRIPTION	FURNISHED BY		INSTALLED BY		POWERED BY		DISCONNECT BY		STARTER BY		CONTROL WIRING (ALL VOLTAGES)	
	NOTE 2.3	NOTE 2.3	NOTE 2.3	NOTE 2.3	NOTE 1.2	NOTE 1.2	NOTE 1.2	NOTE 1.2	NOTE 1.2	NOTE 1.2	NOTE 2.3	
MECH												
CONCRETE OR FRAGRANT HC EXHAUST FAN	MECH	MECH	ELECT	MECH/ELECT-NOTE	N/A	ELECT						
FANS, CLAMP, EXHAUST, RETURN, SHUTS/O	MECH	MECH	ELECT	MECH/ELECT-NOTE	MECH	MECH						
ROOF WATER HEATER / BOILER	MECH/PLUMB	MECH/PLUMB	ELECT	MECH/ELECT-NOTE	N/A	MECH/PLUMB						
ROOF WATER CHILLING PUMP	MECH/PLUMB	MECH/PLUMB	ELECT	MECH/ELECT-NOTE	MECH/PLUMB	MECH/PLUMB						
RVAQ UNITS, HEAT PUMPS, FAN COILS/SPILT UNITS	MECH	MECH	ELECT	MECH/ELECT-NOTE	MECH	MECH						
MEN ON FLOORING CONTROL DEVICES	MECH/PLUMB	MECH/PLUMB	N/A	N/A	N/A	MECH						
WATERBORN CHILLING WATER ONLY BOWL, CTRL. XMR	MECH	MECH	ELECT	N/A	N/A	MECH						
BIOMONITORS	MECH	MECH	N/A	N/A	N/A	MECH						
FIRE ALARM												
FIRE ALARM SYSTEM	FIRE ALARM	FIRE ALARM	ELECT	N/A	N/A	FIRE ALARM						
FIRE/PHONE CHARGER	MECH	MECH	ELECT	N/A	N/A	FIRE ALARM						
FIRE SMOKE FLOW, TAMPER SWITCH, FVA AND BACK FLOW	FIRE PROTECT	FIRE PROTECT	N/A	N/A	N/A	FIRE ALARM						
SMOKE DETECTORS	MECH	MECH	ELECT	N/A	N/A	FIRE ALARM						
ROOF HOLD KEY / RELEASE DEVICES	GENERAL	GENERAL	FIRE ALARM	N/A	N/A	FIRE ALARM						
SMART DOOR	GENERAL	GENERAL	FIRE ALARM	N/A	N/A	FIRE ALARM						
POST INDICATOR VALVE												
SITE WORK												
CONCRETE CURB FIRE MAIN	ELECT	ELECT	N/A	N/A	N/A	N/A						
PRECAST CONCRETE PADS FOR ELECTRICAL EQUIP	ELECT	ELECT	N/A	N/A	N/A	N/A						
CAST IN PLACE CONCRETE PADS / HOUSING/SHIELD PADS	GENERAL	GENERAL	N/A	N/A	N/A	N/A						
ELECTRICAL WASTE	ELECT	ELECT	N/A	N/A	N/A	N/A						
CHILLER												
CHILLER	MECH/PLUMB	MECH/PLUMB	ELECT	MECH/ELECT-NOTE	MECH	MECH						
MISC												
ELECTRIC CONTROLS	ELECT	ELECT	ELECT	N/A	N/A	ELECT						
MOTOR/RED POOL UP BOOBS	GENERAL	GENERAL	ELECT	GENERAL	GENERAL	GENERAL						
IRIGATION CONTROL SYSTEM	GENERAL	GENERAL	ELECT	N/A	N/A	GENERAL						
SPORT FISHING SAFETY SUPPORT WIRE - ACCUSTICAL	GENERAL	GENERAL	N/A	N/A	N/A	N/A						
SPORT FISHING SAFETY SUPPORT WIRE - EXPOSED	ELECT	ELECT	N/A	N/A	N/A	N/A						

GENERAL NOTES

- FINAL CONNECTION TO ALL EQUIPMENT SHALL BE PER MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIAL AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
- VERIFY EXACT LOCATION OF EQUIPMENT WITH OWNER, PRIOR TO ROUGH-IN.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO COMMENCEMENT OF WORK.
- ALL WORK SHALL BE PERFORMED IN A WORKMAN LIKE MANNER TO THE SATISFACTION OF THE GENERAL CONTRACTOR.
- PROVIDE ALL TRENCHING, EXCAVATION, BACKFILLING, SUPPORTS, ETC REQUIRED FOR ELECTRICAL WORK.
- PROVIDE ENGRAVED NAMEPLATES ON ALL PANELBOARDS, DISCONNECT SWITCHES AND RELATED EQUIPMENT INDICATING EQUIPMENT DESIGNATION (OR DESIGNATION OF EQUIPMENT SERVICE) AND VOLTAGE.
- PROVIDE DYMO-TAPE TAG OR LABEL WITH PERMANENT MARKER INSIDE COVER OF EACH FUSIBLE SWITCH, INDICATING SIZE AND TYPE OF FUSES PROVIDED.
- PANEL DIRECTIONS SHALL BE REMOVABLE. SUBMIT PROPOSED SCHEDULE OF DIRECTIONS TO OWNER FOR APPROVAL. ROOM NAMES AND NUMBERS SHALL BE AS DIRECTED BY OWNER. DO NOT USE DESIGNATIONS SHOWN ON THESE PLANS UNLESS APPROVED BY OWNER. ALL DIRECTIONS SHALL BE TYPED AND INSTALLED UNDER CLEAR PLASTIC COVER.
- ALL SPLICES IN EXTERIOR PULLBOXES AND MANHOLES SHALL BE MADE WATER PROOF USING "SCOTCHCAST" SPLICE KIT OR APPROVED EQUAL.
- COORDINATE EXACT LOCATION OF ELECTRICAL DEVICES WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN, ESPECIALLY AS RELATED TO MILLWORK AND FURNITURE LOCATIONS.
- SEE MECHANICAL AND PLUMBING DRAWINGS FOR LOCATIONS OF EQUIPMENT.

SHEET INDEX / ISSUANCE MATRIX

ELECTRICAL

SYMBOL LEGEND:
 • = ISSUED WITH NO REVISION
 ◊ = ISSUED WITH INTERNAL REVISION(S)
 △ = ISSUED WITH EXTERNAL REVISION(S)
 BLANK = SHEET NOT ISSUED

SHEET	DESCRIPTION	SHEET(S) ISSUED							
		4/22/2011	5/14/2011	5/15/2012	4/19/2012	7/3/2013	8/15/2013		
E0.0.0	COVER SHEET, SYMBOL LIST, COORDINATION MATRIX, SHEET INDEX	•	•	•	•	•	•	•	•
E1.0.0	FIXTURE SCHEDULE	•	•	•	•	•	•	•	•
E2.0.0	ONE LINE DIAGRAM	•	•	•	•	•	•	•	•
E2.0.1	PANEL SCHEDULES	•	•	•	•	•	•	•	•
E2.0.2	PANEL SCHEDULES	•	•	•	•	•	•	•	•
E2.1.0	EXISTING ONE LINE DIAGRAM	•	•	•	•	•	•	•	•
E2.1.1	LOAD CALCULATIONS	•	•	•	•	•	•	•	•
E3.0.0	SITE PLAN - ELECTRICAL	•	•	•	•	•	•	•	•
E3.1.0	ENLARGED CUP SITE PLAN - POWER	•	•	•	•	•	•	•	•
E3.2.0	DONOR COURTYARD PLAN - ELECTRICAL	•	•	•	•	•	•	•	•
E4.1.1	FIRST FLOOR PLAN - LIGHTING	•	•	•	•	•	•	•	•
E4.2.1	SECOND FLOOR PLAN - LIGHTING	•	•	•	•	•	•	•	•
E4.2.2	SECOND FLOOR PLAN WEST WING - LIGHTING	•	•	•	•	•	•	•	•
E5.1.1	FIRST FLOOR PLAN - POWER	•	•	•	•	•	•	•	•
E5.1.2	ENLARGED FIRST FLOOR PLAN - POWER	•	•	•	•	•	•	•	•
E5.2.1	SECOND FLOOR PLAN - POWER	•	•	•	•	•	•	•	•
E5.2.2	SECOND FLOOR PLAN WEST WING - POWER	•	•	•	•	•	•	•	•
E6.0.0	ROOF PLAN	•	•	•	•	•	•	•	•
E9.0.0	DETAILS - ELECTRICAL	•	•	•	•	•	•	•	•
E9.0.1	MAIN CANOPY PLAN LIGHTING	•	•	•	•	•	•	•	•
E9.0.2	DETAILS - ELECTRICAL	•	•	•	•	•	•	•	•
E9.0.3	DETAILS - ELECTRICAL	•	•	•	•	•	•	•	•
E9.0.4	DETAILS - ELECTRICAL	•	•	•	•	•	•	•	•

SCOPE

INCREMENT 3 INCLUDES CONSTRUCTION OF THE NEW EMERGENCY AND OPERATING ROOM ADDITION TO THE EXISTING HOSPITAL. IT ALSO INCLUDES INSTALLATION OF NEW CHILLERS & BOILERS, MAKING UP THE "CUP" ON THE CENTRAL UTILITY PLANT.

THE EXISTING 2ND FLOOR "WEST WING" HAS A REMODEL AREA TO CONNECT THE EXISTING AND NEW BUILDING AREAS.

THE 250KW GENERATOR, SITE INSTALLED BY INCREMENT 1 WORK, IS TO BE TIED INTO THE NEW BUILDING BY THIS INCREMENT.

OSHPD APPROVAL



SIGNATURE DATE: 08-18-13

CONSULTANTS



ARCHITECT



1717 2nd Street
Sacramento, CA 95811
916/441-6870

600 Q Street, Suite 100
Sacramento, CA 95814
916/272-4100
www.niarch.com

REVISIONS

NO.	DESCRIPTION	DATE
1	MECH CHANGES	05/28/12
2	MECH CHANGES	06/20/12
3	CHANGE ORDER 12	12/11/12
4	CHANGE ORDER 21	03/08/13
5	CHANGE ORDER 20	03/12/13
6	CHANGE ORDER 15	03/15/13
7	CHANGE ORDER 22	04/23/13
8	EQUIPMENT REVISIONS	05/10/13
9	CHANGE ORDER 28	07/03/13
10	AS 29	08/06/13
11	CHANGE ORDER 30	08/08/13
12	CHANGE ORDER 33	08/15/13

PAD-2013-01924

DATE APRIL 22, 2011

JOB NO. Y1006.00

OSHPD NO. IS102429-49 Inc. 3

SHEET TITLE

COVER SHEET
SYMBOL LIST
COORDINATION
MATRIX
SHEET INDEX

SHEET NO.

E0.0.0

100% CONSTRUCTION DOCUMENTS



ELECTRICAL CONTRACTORS & ENGINEERS
2001 System Drive
1212044 Calif. 1-800-877-7778 Fax (916) 224-1838
WWW.REXMOORE.COM 916-272-6653

JUN 20 2013

Toscana



51,274

1213

Cortille Fountain

46.5"H 60"W



Exterior Donor Wall Display

August 2013



www.hackley.net

510.940.2610

1999 Alpine Way → Hayward, CA → fax 510.940.2615



1999 Alpine Way
Hayward, CA 94545
phone: 510.940.2610
fax: 510.940.2615

License No. C-45 525464

Client Name:
Otto Construction

Client Address:
325 Andrieux
Sonoma, CA

Project Name:
Sonoma Valley Hospital
Exterior Donor Wall

Project No: 13-7663

Signage Drawings

All drawings and designs contained on this sheet are the property of Hackley Architectural Signage, Inc. Use of these designs and drawings are limited to terms of the written or oral contract with Hackley Architectural Signage, Inc.

Designer: PS

Date: 8/12/13

Revision: 8/19/13

Revision:

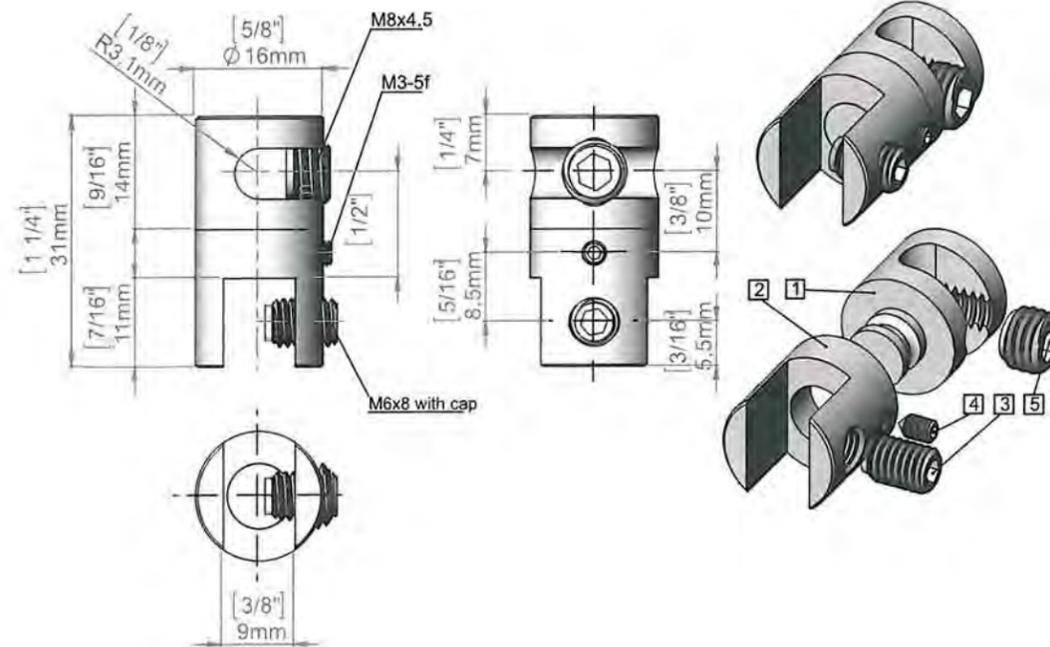
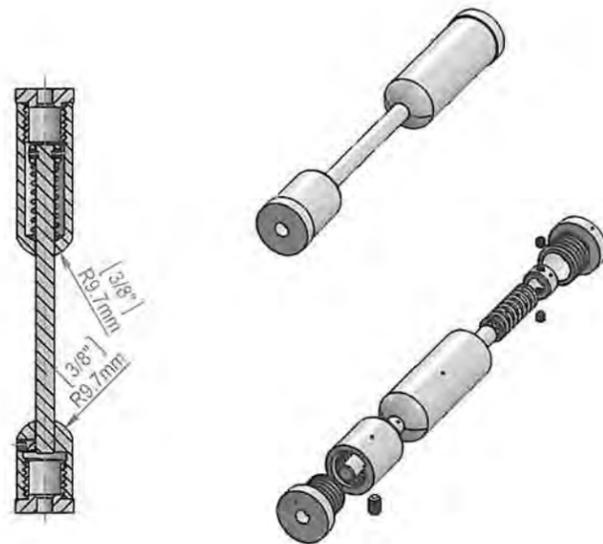
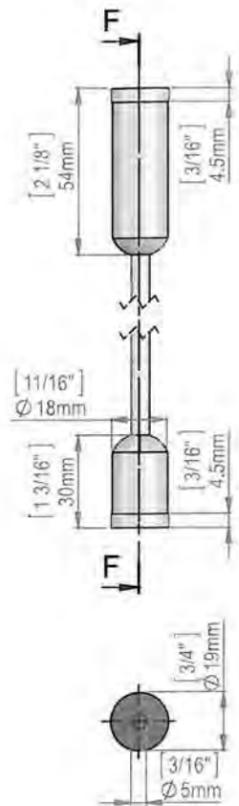
Revision:

Revision:

Scale: SEE DRAWING

PAGE:

G 3.0



Panel Grip Assembly

Quantity 380 units

NTS

Rod and Attachment Assembly

Quantity 39 units

NTS



1999 Alpine Way
Hayward, CA 94545
phone: 510.940.2610
fax: 510.940.2615

License No. C-45 525464

Client Name:
Otto Construction

Client Address:
325 Andrieux
Sonoma, CA

Project Name:
Sonoma Valley Hospital
Exterior Donor Wall

Project No: 13-7663

Signage Drawings

All drawings and designs contained on this sheet are the property of Hackley Architectural Signage, Inc. Use of these designs and drawings are limited to terms of the written or oral contract with Hackley Architectural Signage, Inc.

Designer: PS

Date: 8/12/13

Revision: 8/19/13

Revision:

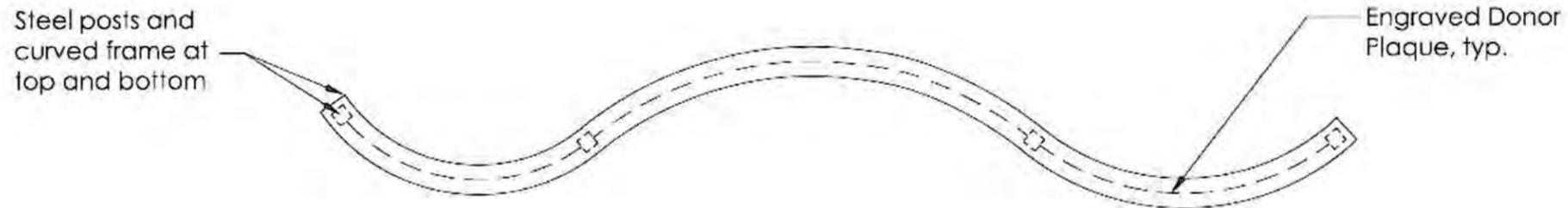
Revision:

Revision:

Scale: SEE DRAWING

PAGE:

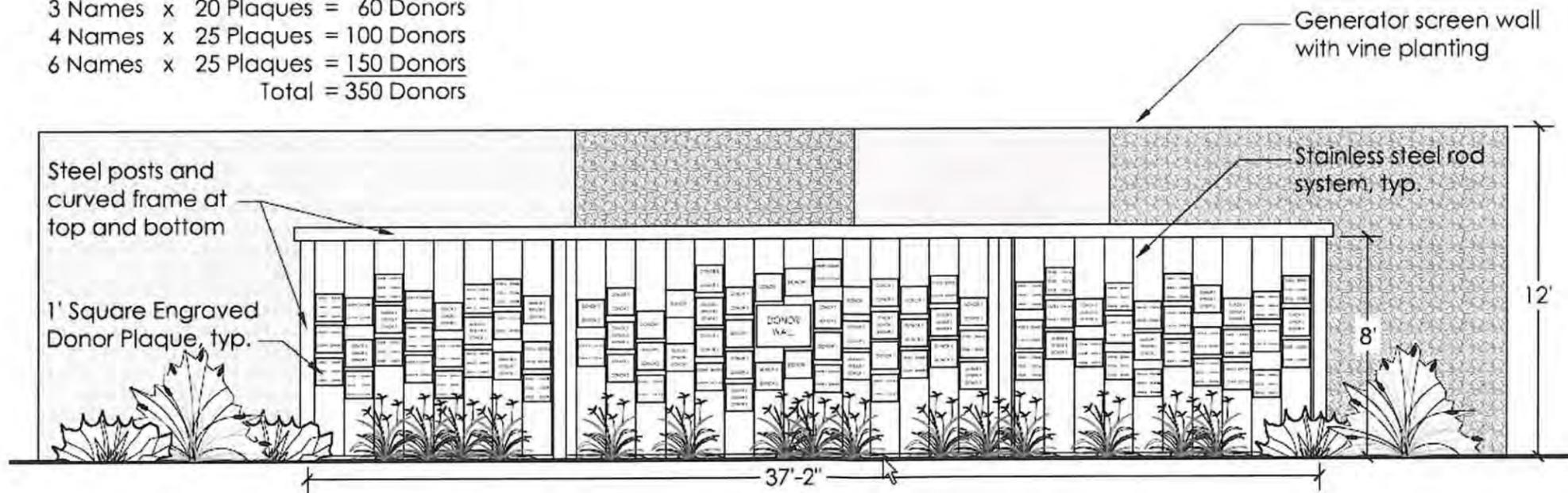
G 1.0



PLAN VIEW

Donor Plaque Schedule

1 Name	x 10 Plaques	= 10 Donors
2 Names	x 15 Plaques	= 30 Donors
3 Names	x 20 Plaques	= 60 Donors
4 Names	x 25 Plaques	= 100 Donors
6 Names	x 25 Plaques	= 150 Donors
		Total = 350 Donors



Elevation

Scale 3/16" = 1'-0"



1999 Alpine Way
Hayward, CA 94545
phone: 510.940.2610
fax: 510.940.2615

License No. C-45 525464

Client Name:
Otto Construction

Client Address:
325 Andrieux
Sonoma, CA

Project Name:
Sonoma Valley Hospital
Exterior Donor Wall

Project No: 13-7663

Signage Drawings

All drawings and designs contained on this sheet are the property of Hackley Architectural Signage, Inc. Use of these designs and drawings are limited to terms of the written or oral contract with Hackley Architectural Signage, Inc.

Designer: PS

Date: 8/12/13

Revision: 8/19/13

Revision:

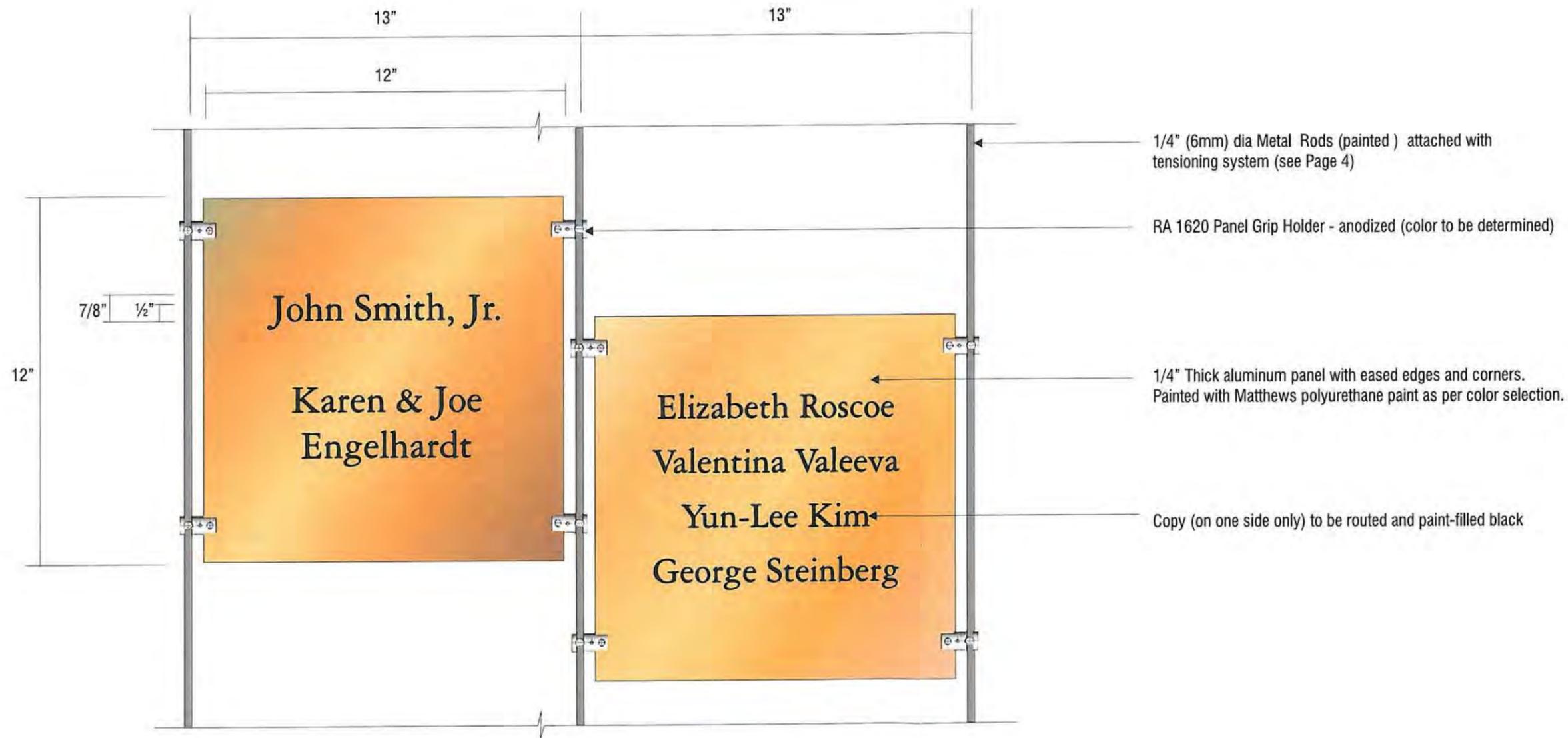
Revision:

Revision:

Scale: SEE DRAWING

PAGE:

G 2.0



Donor Plaques

Note: Copy height may vary - minimum dimension is 1/2"

Scale 3" = 1'-0"



City of Sonoma
Design Review Commission
Agenda Item Summary

DRC Agenda Item: 3

Meeting Date: 09/17/13

Applicant

James Hahn/Sunflower Caffé

Project Location

421 First Street West

Historical Significance

- Listed on National Register of Historic Places, including Sonoma Plaza district
 - Listed on California Register of Historic Resources
 - Listed within Local Historic Resources Survey (Potentially Significant)
 - Over 50 years old
Year built: 1923
-

Request

Consideration of new awnings and new awning signs for a restaurant (Sunflower Caffé).

Summary

Awning: The proposal involves the modification of the existing four canvas fabric awnings on the building. The awnings would be installed on a welded aluminum frame above the First Street West entrance of the building. In terms of compatibility, the exterior color scheme of the building is a white color. A drawing of the proposed conditions and a sample of the awning material are attached for consideration. The proposed awnings are comprised of four individual awnings approximately 10 feet long and 6 inches high in addition to the 6 inch awning valance. The awnings would be composed of yellow, orange, and brown striped canvas fabric and the valance would be composed of a solid yellow fabric. All four awnings would be installed on modified existing silver colored aluminum frames. With regard to Building Code requirements, the vertical clearance from the public right-of-way to the lowest part of any awning, including valances, shall be 7 feet (Building Code §3202.2.3). In addition, awnings may extend over public property not more than two-thirds the width of the sidewalk measured from the building. Stanchions or columns that support awnings, canopies, marquees and signs shall be located not less than 2 feet in from the curb line (Building Code §3202.3.1). The proposal complies with these standards in that the awning would provide 7 feet 7 inches of clearance above the public walkway, and would extend only 4.5 feet from the face of the building (second story awning), resulting in 8 feet of clearance from the end of the awning to the face of the curb. The purpose of the awning is to provide business identification and weather protection for outdoor seating at the restaurant entrance. Staff would note that this application was submitted in response to a code enforcement action.

Findings for Project Approval: For projects within the Historic Overlay zone, the Design Review Commission may approve an application for architectural review, provided that the following findings can be made (§19.54.080.G):

1. The project complies with applicable policies and regulations, as set forth in this Development Code, other City ordinances, and the General Plan.
2. On balance, the project is consistent with the intent of applicable design guidelines set forth in the Development Code.
3. The project responds appropriately to the context of adjacent development, as well as existing site conditions and environmental features.
4. The project will not impair the historic character of its surroundings.
5. The project substantially preserves the qualities of any significant historic structures or other significant historic features on the site.
6. The project substantially complies with the applicable guidelines set forth in Chapter 19.42 (Historic preservation and infill in the Historic Zone).

Awning Signs: Six lettering signs are proposed to be placed on the awnings along First Street West. All of the awning signs will be 4-inches in height and consist of all capital black lettering. The total area for the awning letters would be 6 square feet.

Aggregate Sign Area: Based on the property's frontage on First Street West (44 feet), the maximum aggregate sign area

allowed for the parcel is 23.6 square feet. The total aggregate sign area for the property would be 33 square feet, including the two existing projecting signs (27 square feet of aggregate sign area) and the awning signs (6 square feet of aggregate sign area). It should be noted that when calculating the aggregate area of a two-sided sign, each face is multiplied by 0.75 (§18.16.021). The proposal is not consistent with this requirement. The applicant is requesting a variance from this standard.

Number of Signs: A maximum of two signs are permitted for any one business (§18.16.010). The proposal is not consistent with this requirement in that there would be 8 signs for the property including the two projecting signs and six awning signs. The applicant is requesting a variance from this requirement.

Variations: As noted above, the proposal would exceed the allowable aggregate sign area and it would exceed the number of signs normally permitted for any one business. The DRC may grant variances from the provisions of the sign ordinance provided that certain findings can be made (see below).

1. Exceptional or extraordinary circumstances or conditions, not resulting from any act of the owner or applicant, apply to the location under consideration and not generally to other businesses or properties in the vicinity.
2. Strict adherence to a regulation may cause unnecessary hardship or prohibit the exercise of creative design, and the application submitted is extraordinary and outstanding in design;
3. The exception is the minimum necessary to serve its intended use;
4. The exception is in conformance with the purpose and intent of this title;
5. The granting of the variance will not be detrimental to the public interest or welfare, or injurious to properties or improvements in the vicinity.

Existing Signs: During the site visit, staff observed a portable freestanding sign displayed in front of the entrance to the restaurant. Portable freestanding signs are not permitted on sidewalks surrounding the Plaza and the sign shall be removed.

Other permits required: In addition to the requirements of this title, the awning shall be in conformance with applicable requirements of the 2010 California Building Code and where required by the 2010 California Building Code, shall obtain a building permit prior to installation. In addition, Section 807.2 of the Fire Code requires testing by an approved agency meeting the NFPA 701 flame propagation standards or the materials shall be noncombustible. Reports of test results shall be submitted to the Fire Code Official prior to issuance of a building permit. An Encroachment Permit shall be required for all work performed in the public right-of-way. Please contact Robin Evans at (707) 933-2205 for information regarding City Encroachment Permits. The applicant and property owner shall approve a License Agreement with the City of Sonoma prior to issuing a building permit or Encroachment Permit.

Commission Discussion

Design Review Commission Action

Approved Disapproved Referred to: _____ Continued to: _____

Roll Call Vote: _____ Aye _____ Nay _____ Abstain _____ Absent

DRC Conditions or Modifications

Attachments

1. *Gene Wedell project narrative*
2. *Existing picture of awnings*
3. *Certificate of Flame Retardance*
4. *Project narrative*
5. *Awning sample*
6. *Awning drawing*

cc: Sunflower Caffé
Attn: James Hahn
421 First Street West
Sonoma, CA 95476

Orion Property Management
Attn. Lori Greenstein-Bremner
470 First Street East
Sonoma, CA 95476

Dan Takasugi, Public Works Director/City Engineer

Kathy Toohey, Building Inspector

Data used in First Page Design Review page.

Sunflower Caffè
421 First Street West Sonoma Ca.
(707) 996-6645

Lori Bremner Property Manager
Orion Partners LTD.
462 West Napa St.
PO Box 1561
Sonoma CA 95476
707 939 2058

Design Review

421 First Street West
Sonoma, CA
Assessor's Parcel # _____
Commercial Historic District
Awning Review. See Attached Sheet.

Sunflower Caffe Street Side Awning Design & Shade Structure

Salvador Vallejo Adobe

Gene Wedell Statement

I was the architect of record for the restoration and seismic renewal of the Salvador Vallejo Adobe. There was a restaurant in the current location of the Sunflower Caffe at the time of the restoration and there was clear historic evidence that a café or related service had been located on the ground floor and rear patio in some form from the building's beginning. There was also a historic seating area in the four-bay covered space facing the sidewalk. That space was and is defined by a two-story group of wooden columns and is a significant historic feature of the building.

As a general reference, the restoration was completed under the direction and control by the City of Sonoma including a detailed historic and advanced seismic review by City retained consultants. This review formed the basis for all restoration work.

A relatively minor controversy broke out shortly after the building was re-opened. This controversy is at the heart of this Design Review. The seating area facing the sidewalk proved to be very popular with Sonoma visitors and there was immediate pressure to expand the seating area for an additional table width, or about four feet. That area rests on City sidewalk.

There is nothing particularly controversial about this upsurge of usage; it was happening in cities all across the United States, especially in California. Different cities have different laws governing sidewalk seating including the use of shade structures including canvas umbrellas, awnings, and even permanent structures. (The Vallejo Adobe has one.)

The controversy has boiled down to what extent may these shade structures impose themselves on the historic structure? At what point does the old building begin to "disappear" behind modern canvas?

That limit was reached when the Sunflower Caffe installed a four-foot wide awning that stretched up to the second floor balcony effectively covering the two story columns. The awning provided a useful shade structure. It just overstated itself.

There is a simple solution. Limit the height of the awning while maintaining the four foot horizontal shaded area. That allows the historic building to remain

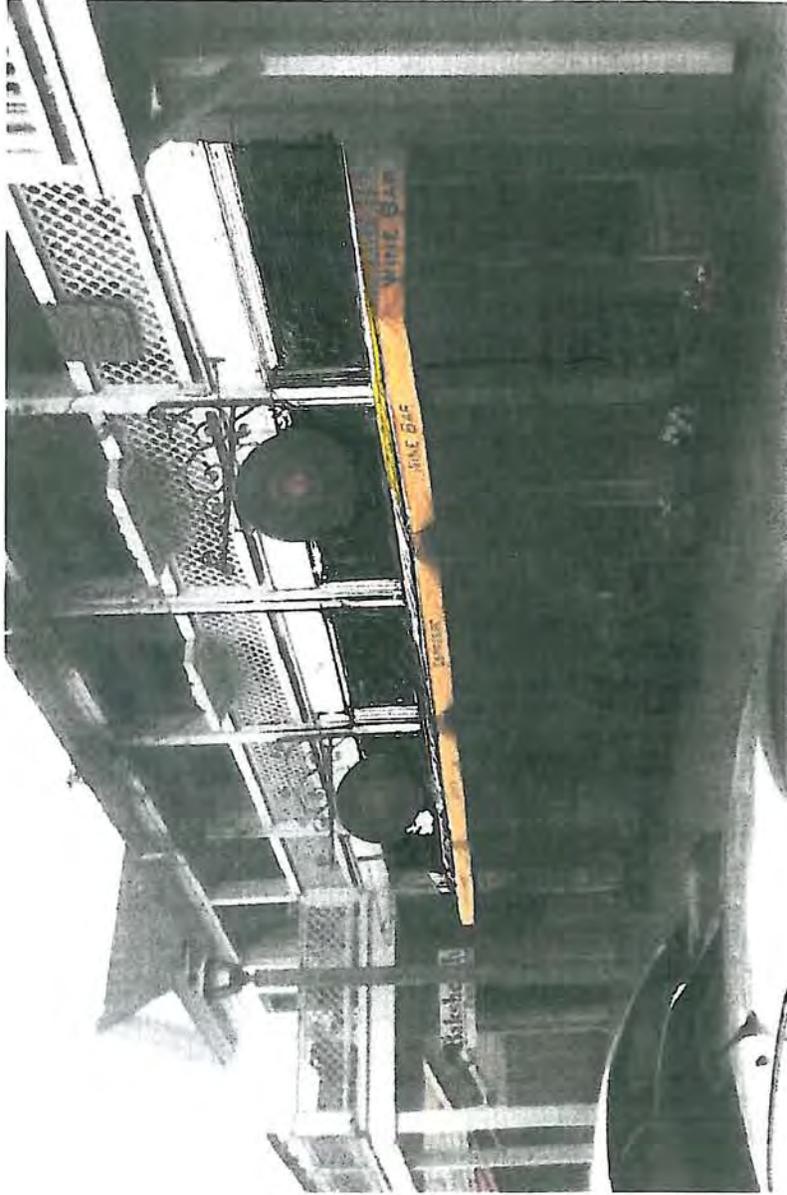
visually intact. This is a neutral solution that could be designed in a number of ways. The simplest is to reduce the height of the awnings from four feet to several inches, just enough for the canvas to shed water. This can be completed using the existing structure and canvas materials. The Sunflower Caffe has made extensive use of canvas structures, especially in the Patio Area and in related color themes in the interior spaces. The Café is very successful and it is obvious that the shade structures are very popular with customers.

I have enclosed a photo of the awning-group as they now exist together with a modified photo of how the building would look with a reduced height shade structure.

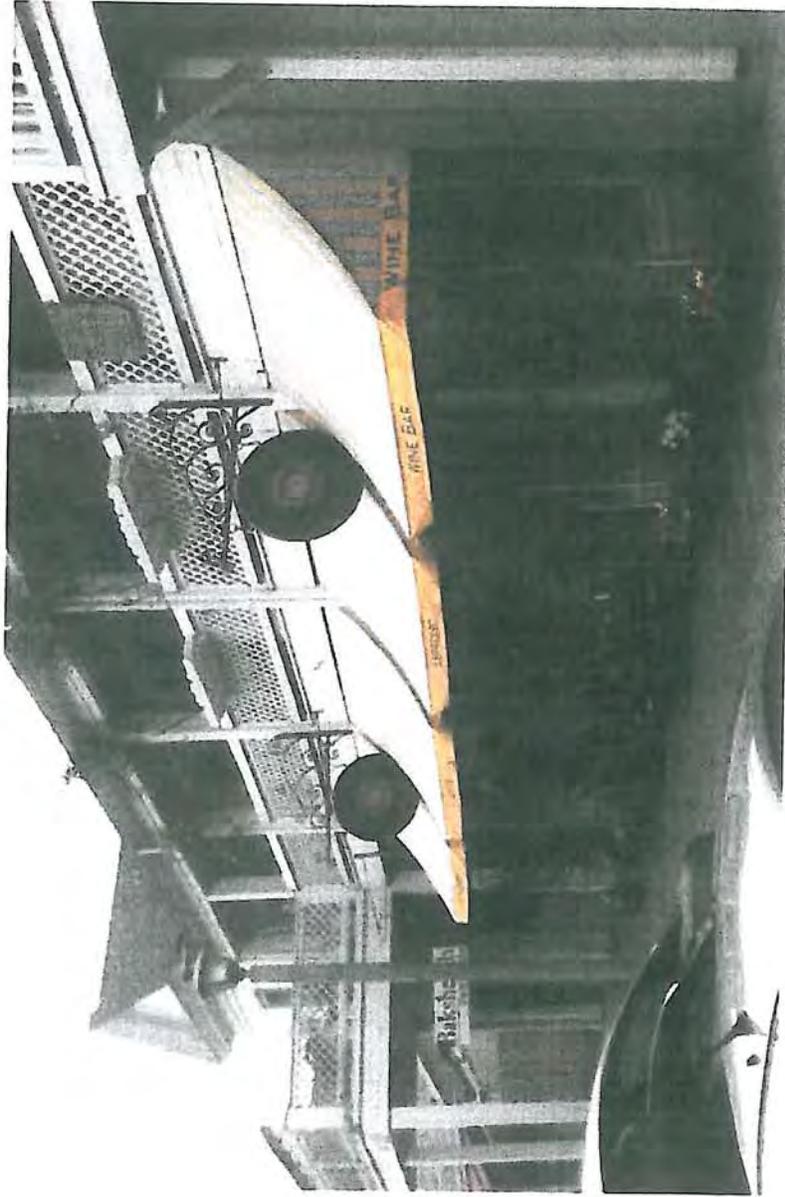
Please note that the front awnings rest on aluminum columns that are attached to a steel plate that rests on City sidewalk. This is a temporary structure in every sense of the word in that the awnings can be easily removed by sliding the steel plates out of the way. This fits historic conservation methodology in that anything added to a building should be able to be removed.

Gene Wedell

1414 Fourth St. 200E
San Rafael, CA 94901
415 453 7911
genewedell@mac.com



SUNFLOWER CAFFE. SALVADOR VALLEJO ADOBE
PROPOSED CONDITION FRONT AWNING



SUNFLOWER CAFE. SALVADOR VALLEJO ADOBE
EXISTING CONDITION FRONT AWNING

Evehtay LLC
dba. Sunflower Caffè Espresso & Wine Bar
421 1st Street West
Sonoma, CA 95476
(707) 996-6645
(707) 996-8776 fax
www.sonomasunflower.com



Tuesday, June 11, 2013

To Whom it may concern,

The Sunflower Caffè would greatly benefit from a shade structure on the front of the building at 421 First Street West. Much as the Swiss Hotel and the Basque greatly benefit from the additional seating they have in the front of their buildings. The additional seating the Sunflower Caffè has greatly needs the shade structure to provide our guests shelter from the sun in the spring summer and the cold weather and rain in the fall and winter months. Not only will this help our guests have better Sonoma experience while at the Sunflower, it increases our revenue stream which in turn is good for the local economy. The plans provided have been approved by Lori Bremner, the agent of the building owners. We hope this meets with your approval we look forward to the final outcome.

Sincerely,

A handwritten signature in blue ink that reads "James". To the right of the signature is a smaller, less legible handwritten mark.

James Hahn
Owner Sunflower Caffè
707-996-6645
jamesmhahn@gmail.com

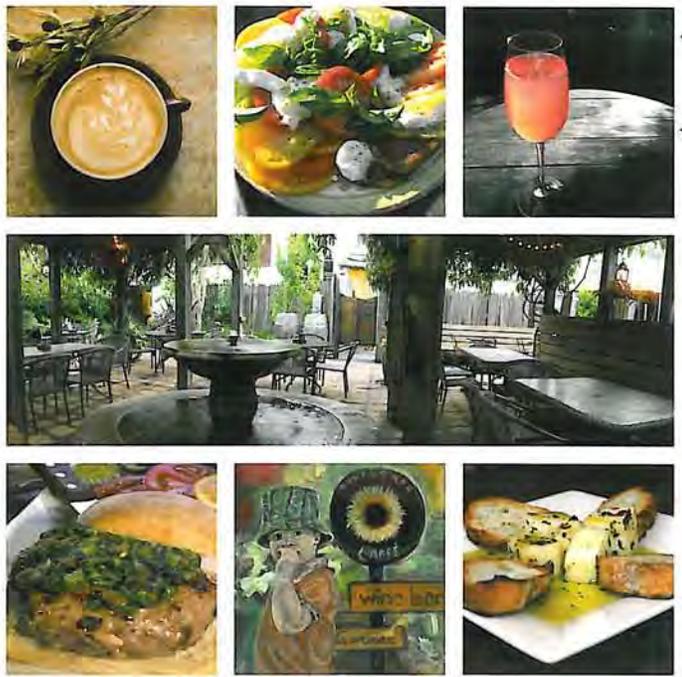


sunflower caffé

breakfast • lunch • wine bar
espresso bar • art gallery



www.sonomasunflower.com



experience the Sonoma Valley

sunflower café menu

fresh local ingredients

seasonal outdoor grill

local Sonoma chef for 40 years, Curtis Dorsett

sidewalk seating on the sonoma plaza

garden patio seating

relaxed atmosphere

sunflower café wine bar

local wines

by the taste, glass or bottle

sip it here, take a bottle to go, or buy online

art gallery

a different local artist is featured every month

First Friday Artist Reception 5-7pm



707 996 6645

www.sonomasunflower.com



home of the **snobbyass** wine club



REVISIONS	BY

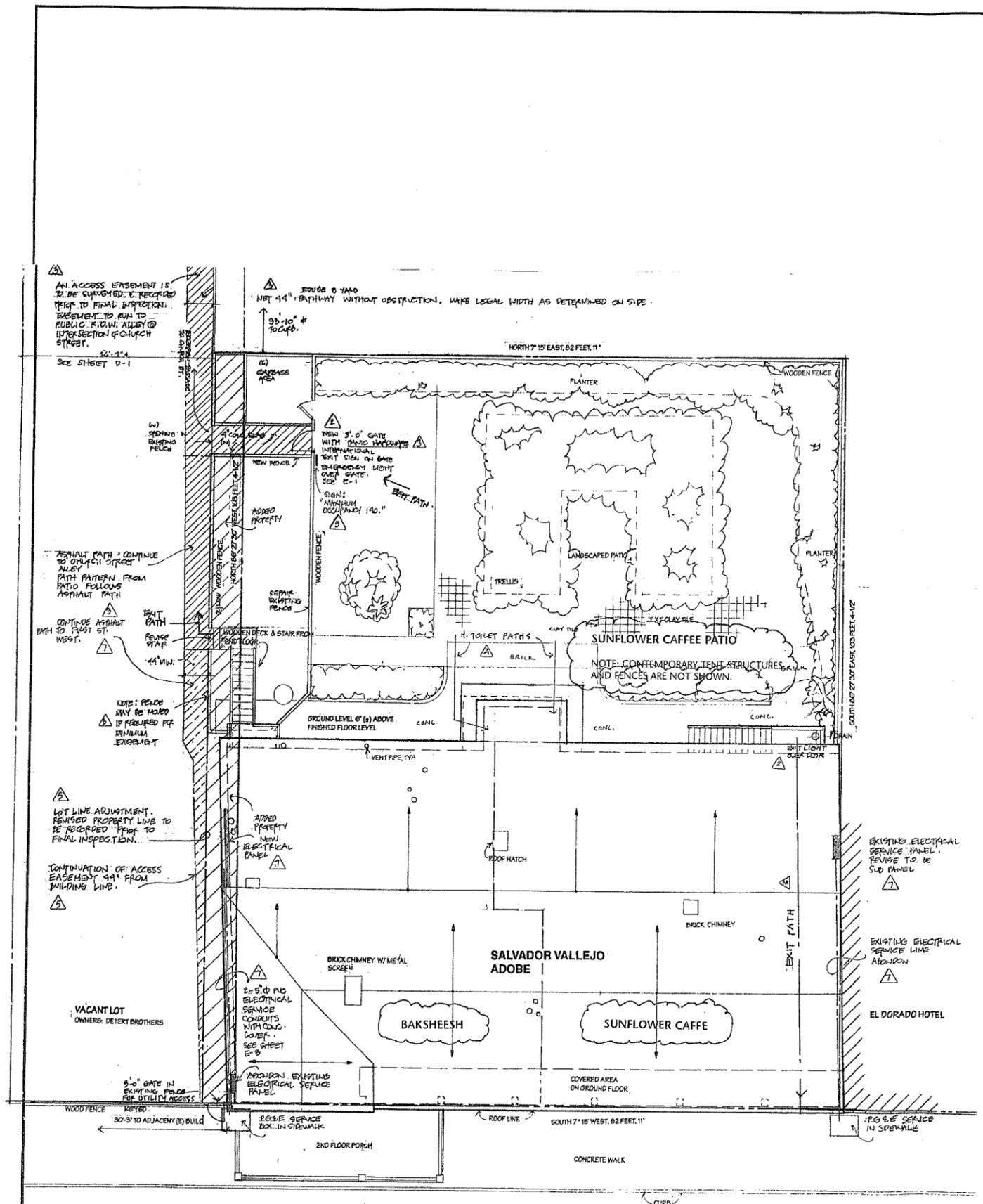
SUNFLOWER CAFFÉ
 JAMES HAHN, OWNER
 421 FIRST STREET WEST, SONOMA CA. 95476

SALVADOR VALLEJO ADOBE
 OWNERS: MARCUS AND DAVID DETERT
 PROPERTY MANAGER: LORI BREMNER
 ORION PARTNERS LTD., 462 W. Napa St.
 P.O. Box 1561, Sonoma, CA 95476-1561
 TEL: (707) 939-2058 FAX: (707) 939-2010

GENE WEDELL
 ARCHITECT
 1414 FOURTH ST. 208
 SAN RAFAEL, CA 94901
 TEL: (415) 453-2911



SUNFLOWER CAFFÉ
 421 FIRST STREET WEST
 SONOMA, CA 95476
 (707) 996-6645
 www.sonomasunflower.com



JUL 01 2013

SITE PLAN
 1/8" = 1' - 0"
 NOT A SURVEY.

SUNFLOWER CAFFÉ NOTE
 PLANS USED IN THIS SUBMITTAL WERE ORIGINALLY PRODUCED IN 2001 FOR THE RESTORATION OF THE SALVADOR VALLEJO ADOBE AS A WHOLE. PLEASE IGNORE THE ORIGINAL CONSTRUCTION NOTES. SUNFLOWER CAFFÉ NOTES AND DIAGRAMS ARE SHOWN WITH A CLOUD SURROUND.

Date	6-30-13
Scale	AS SHOWN
Drawn	EW
Job	
Sheet	
SF1	4
Of	Sheets

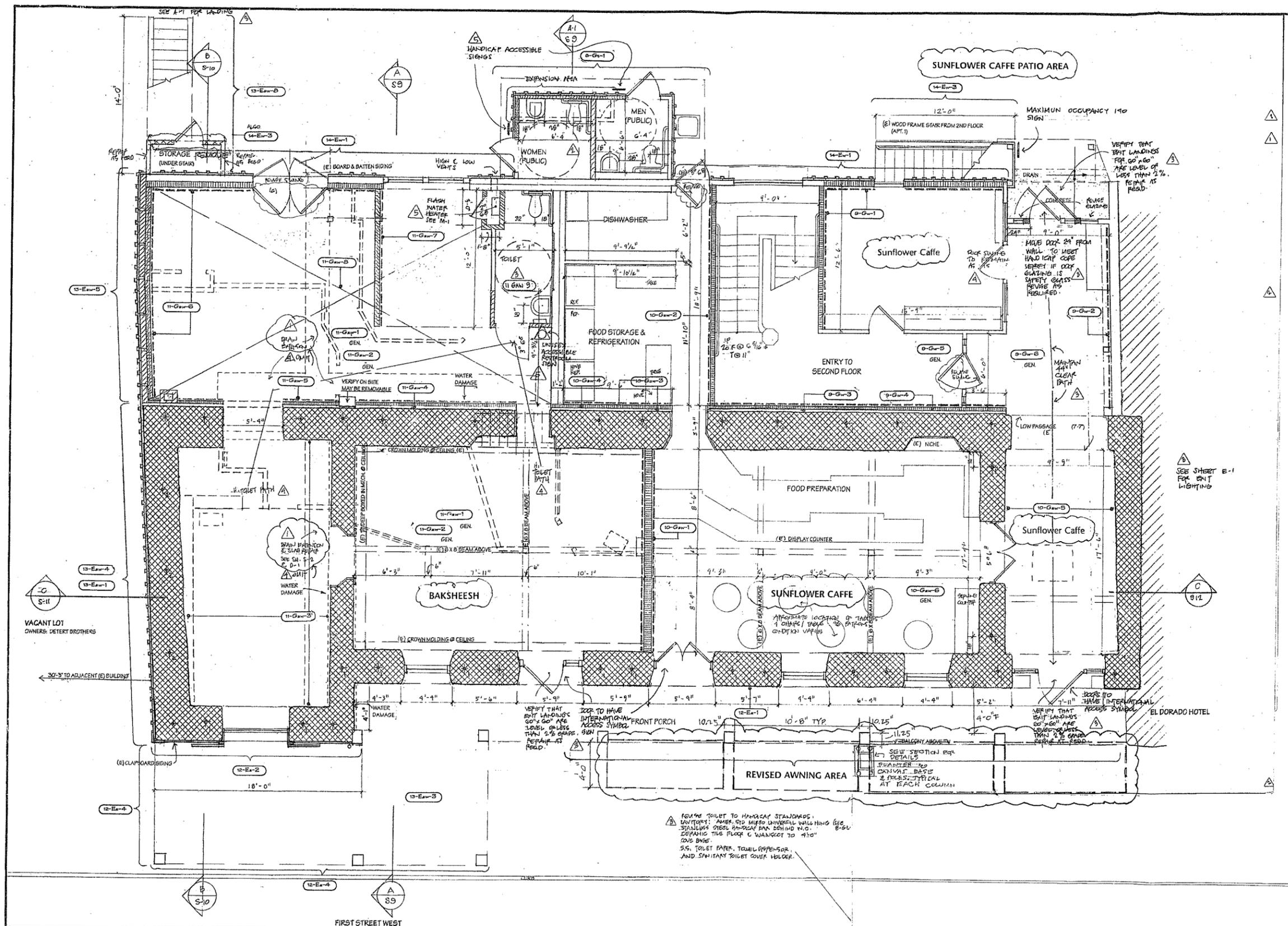
REVISIONS	BY
2-10-0	EW
5-10-0	EW
11-0-0	EW
3/2011	EW
6/12/01	EW

SUNFLOWER CAFE
 JAMES HAHN, OWNER
 421 FIRST STREET WEST, SONOMA CA. 95476

SALVADOR VALLEJO ADOBE
 OWNERS: MARCUS AND DAVID DETERT
 PROPERTY: ORION PARTNERS LTD., 463 W. 15th St.
 P.O. Box 1561, Sonoma, CA. 94961-1561
 MANAGER: (707) 939-2058, Fax: (707) 939-2070

GENE WEDDELL
 ARCHITECT
 1414 FOURTH ST., 200E
 MARCEL, CA 94901
 Tele: (415) 453-7911

Date: 6/30/13
 Scale: 1/4" = 1'-0"
 Drawn: CT/EN/ML
 Job:
 Sheet: SF 2 of 4



FIRST FLOOR PLAN
 1/4" = 1' - 0"

LEGEND

	EXISTING WOOD FRAME WALL TO BE REPAIRED OR MODIFIED		1 ROD FROM TOP OF ADOBE WALL TO FOUNDATION.
	NEW WOOD FRAME WALL		2 ROD FROM SECOND FLOOR LINE OVER ADOBE WALL TO FOUNDATION.
	SHEAR WALL		3 ROD FROM TOP OF ADOBE WALL TO SECOND FLOOR DOOR HEADER.
	BRICK MASONRY		
	ADOBE WALL		METAL MESH AND SAND-LIME ADOBE CONTAINMENT

△ ELECTRICAL NOTE: SEE GENERAL REQUIREMENTS ON SHEET A-1, NOTE 9. ARCHITECT TO MEET ELECTRICIAN ON-SITE TO VERIFY EXTENT OF REQUIRED RE-WIRING. ARCHITECT TO PROVIDE WIRING & LIGHTING DRAWING TO REFLECT THE FOUND & NEW CONDITIONS.

NOTE RE TO GAW-7 & TO GAW-9. VERIFY THAT ALL WALL & FLOORING SURFACES ARE REPLACED TO MEET THE SAME SPECIFICATIONS AS INITIALLY FOUND.

△ FRAME TOILET TO HANICAP STANDARDS. SANITARY: FRAME 910 HUBED UNIVERSAL WALL HUNG (SEE STAINLESS STEEL HANICAP PAN BEHIND W.C. DEBRING THE FLOOR & WANGOT TO 450" DIA. DISE).
 SS. TOILET PAPER, TOILET OPERATOR AND SANITARY TOILET COVER HOLDER.

- 1. REMOVE STAIRS UNDER S.W. 97th.
- 2. REMOVE 3" DOOR SWINGS.
- 3. REPAIR BRICK WIRING.
- 4. COFF SHOP OFFICE.
- 5. HALL.
- 6. REPLACE KITCHEN DOOR 3" 6" SLD SPEC.
- 7. SMOKE DETECTORS REQUIRED IN ALL ROOMS & COMMON AREAS.



City of Sonoma
Architectural Review Commission
Agenda Item Summary

DRC Agenda Item: 4

Meeting Date: 09/17/13

Applicant

First Republic Bank

Project Location

35 East Napa Street

Historical Significance

- Listed on National Register of Historic Places, including Sonoma Plaza district (Listed as a non-contributing building)
 - Listed on California Register of Historic Resources (Significant)
 - Listed within Local Historic Resources Survey (Potentially Significant)
 - Over 50 years old (Potentially Significant)
Year Built: 1902
-

Request

Consideration of design review for a new ATM and a two new awning signs for a commercial building (First Republic Bank).

Summary

ATM Proposal: At this time, the applicant is proposing to install an automated teller machine (ATM) on the north facing elevation (along East Napa Street). The ATM is proposed to be 40 4/4 inches tall and 19 1/4 inches wide. In terms of color, the applicant is proposing to paint the face of the ATM a Benjamin Moore dark teal (2053-20) color. White “First Republic” text and an eagle emblem are proposed at the top of the ATM. The ATM sign would be 0.6 square feet in area (5 inches tall by 18 inches wide). Illumination is proposed in the form of a 6 inch IC LED retrofit downlight centered over the ATM recess (see attached specification sheet).

The following concerns related to the proposed ATM have been identified by staff:

- Because a physical bank branch location is not proposed in conjunction with the ATM, staff is concerned that approving the design review of an ATM without an actual bank location may set an unintentional precedent for other stand-alone ATM kiosks around the Plaza.
- Staff is concerned that an ATM located in a window frame of a building that fronts the Sonoma Plaza may not be compatible with the historic nature of the Sonoma Plaza and nearby historic structures.

Required Findings: For projects within the Historic Overlay zone, the Design Review Commission may approve an application for architectural review, provided that the following findings can be made (§19.54.080.G):

1. The project complies with applicable policies and regulations, as set forth in the Development Code, other City ordinances, and the General Plan.
2. On balance, the project is consistent with the intent of applicable design guidelines set forth in the Development Code.
3. The project responds appropriately to the context of adjacent development, as well as existing site conditions and environmental features.
4. The project will not impair the historic character of its surroundings.
5. The project substantially preserves the qualities of any significant historic structures or other significant historic features on the site.

Issues: The property is prominently located along the Downtown District corridor and also lies within the City's Historic Overlay Zone. The Development Code includes guidelines for redevelopment within the Downtown District (attached) that strongly discourage architectural details and signs having a generic or corporate appearance. Chain stores and franchises are not prohibited in the Downtown District, but such uses must respect and contribute to the historic qualities of the area in terms of building design and signs. The proposal would introduce bright colors, especially with respect to the green face color on the ATM.

Other permits required: In addition to the requirements of this title, all signs and building improvements shall be in conformance with applicable requirements of the 2010 California Building Code and where required by the 2010 California Building Code, shall obtain a building permit prior to installation.

Awning Signs: Two lettering signs are proposed to be placed on the existing awnings along East Napa Street and First Street East. Both of the awning signs would be 2.6 square feet in area (9 inches tall by 42 inches wide). Copy on the sign would consist of white text, with a gold eagle, on a green painted background.

Aggregate Sign Area: Based on the property's frontage on East Napa Street (62 feet), and secondary frontage on First Street East (118 feet), the maximum aggregate sign area allowed for the parcel is 54.4 square feet. The total aggregate sign area for the property would be 15.3 square feet, including the existing projecting sign (5 square feet of aggregate sign area) the existing awning sign (4.5 square feet of aggregate sign area), proposed ATM sign (0.6 square feet of aggregate sign area), and proposed awning signs (5.2 square feet of aggregate sign area). It should be noted that when calculating the aggregate area of a two-sided sign, each face is multiplied by 0.75 (§18.16.021). The proposal is consistent with this requirement.

Number of Signs: A maximum of two signs are permitted for any one business (§18.16.010). The proposal is not consistent with this requirement in that there would be three signs for the ATM kiosk including proposed ATM sign, and two proposed awing signs. The applicant is requesting a variance from this requirement.

Variances: As noted above, the proposal would exceed the number of signs normally permitted for any one business. The DRC may grant variances from the provisions of the sign ordinance provided that certain findings can be made (see below).

1. Exceptional or extraordinary circumstances or conditions, not resulting from any act of the owner or applicant, apply to the location under consideration and not generally to other businesses or properties in the vicinity.
2. Strict adherence to a regulation may cause unnecessary hardship or prohibit the exercise of creative design, and the application submitted is extraordinary and outstanding in design;
3. The exception is the minimum necessary to serve its intended use;
4. The exception is in conformance with the purpose and intent of this title;
5. The granting of the variance will not be detrimental to the public interest or welfare, or injurious to

properties or improvements in the vicinity.

Lighting: Lighting to illuminate the ATM and awning signs is proposed in the form of six white trimmed four-inch recessed LED lights, centered along the length of the canopy at 6-foot centers with an additional downlight centered over the ATM recess. The applicant has indicated that the lights will be illuminated from sunset to sunrise.

Commission Discussion

Design Review Commission Action

Approved Disapproved Referred to: _____ Continued to: _____

Roll Call Vote: _____ Aye _____ Nay _____ Abstain _____ Absent

DRC Conditions or Modifications

Attachments

1. *Project narrative*
2. *Canopy sign drawing*
3. *ATM specification sheet*
4. *Lighting specification sheet*
5. *Picture of ATM at night*
6. *ATM base color sample*
7. *Downtown District Guidelines*
8. *Pictures of ATM*

cc: First Republic Bank
 Attn: Corinna Wan
 111 Pine Street
 San Francisco, CA 94111

Michael Woods, via email

Patricia Cullinan, via email

Sidney Hoover
16900 Norrbom Road
Sonoma, CA 95476

Yvonne Bowers, via email

Richard and Mary Ann Cuneo
P.O. Box 4
Vineburg, CA 95487

Mary Martinez
P.O. Box 534
Sonoma, CA 95476

PROJECT DESCRIPTION

The proposed project is to install one First Republic Bank ATM cash dispensing machine as shown on the photo montages at the first floor corner of 35 East Napa Street on the southeast side of the Plaza. Included are drawings of the specific machine and dimensions.

Installation will require the removal of an existing window and an internal build out of an enclosing wall and door for servicing the ATM. There is no significant external modification to the existing 35 East Napa Street building and it will not impair the historic character of the surrounding buildings.

Two existing old incandescent downlights in the canopy soffit will be replaced with six white trimmed 4" diameter recessed LED lights, centered along the length of the canopy at 6' centers with one additional downlight centered over the ATM recess. No security cameras are intended to be installed with this ATM.

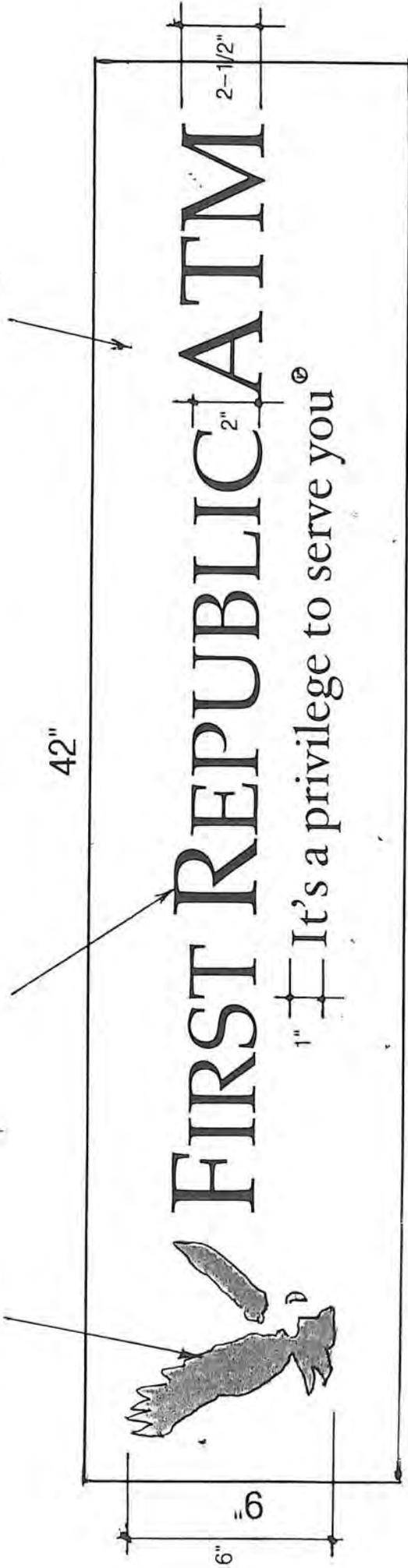
The standard colors for First Republic Bank are shown on color sample included in the package. Dark green background, 6" gold eagle and white 2-1/2" and 2" high letters on the two attached signs to the existing canopy- each sign is 9" high x 42" long, one located at the end of the canopy and one located above the ATM on the canopy.

CANOPY SIGN (2)

GOLD EAGLE

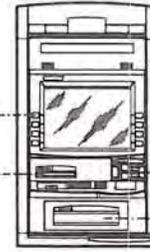
WHITE LETTERS

DARK GREEN BACKGROUND



CONSULT WITH DIEBOLD INSTALLATION/SERVICE BRANCH FOR ADDITIONAL DETAILS AND INFORMATION. PLEASE SEE PLANNING AND SITE PREPARATION GUIDE TP-821110 PD 6076.

ADA-AMERICANS WITH DISABILITIES ACT



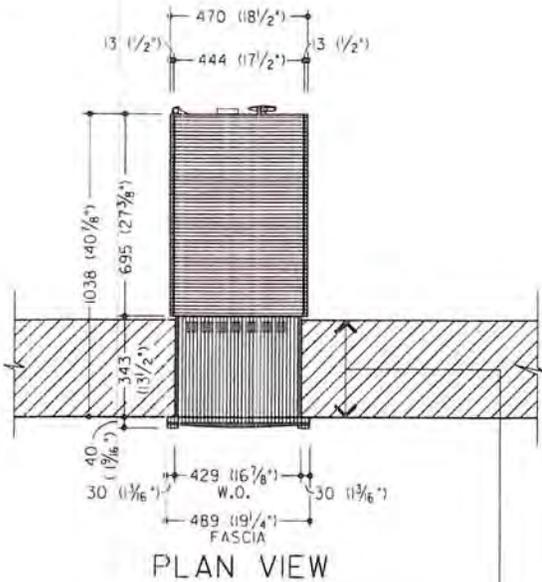
TOP FUNCTION KEY
RECEIPT PRINTER
CARD READER
ADVANCED FUNCTION DISPENSER

ADA	TOP FUNCTION KEY		CARD READER		RECEIPT PRINTER		ADVANCED FUNCTION DISPENSER	
	HEIGHT	DEPTH	HEIGHT	DEPTH	HEIGHT	DEPTH	HEIGHT	DEPTH
	1219 (48")	193 (7 5/8")	1022 (40 1/4")	152 (6")	1022 (40 1/4")	207 (8 1/8")	873 (34 3/8")	43 (1 1/8")

HEIGHT-FROM SIDEWALK LEVEL
DEPTH-FROM FRONT EDGE OF BEZEL

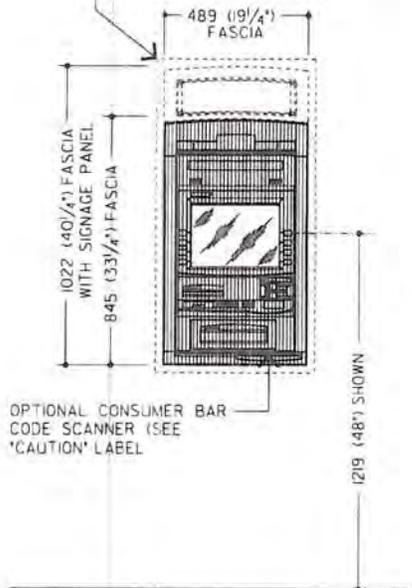
NOTE:
796mm (31 3/8") MAXIMUM HEIGHT TO BOTTOM OF WALL OPENING FOR AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS.

DIMENSIONS IN MILLIMETRES
(DIMENSIONS IN INCHES)

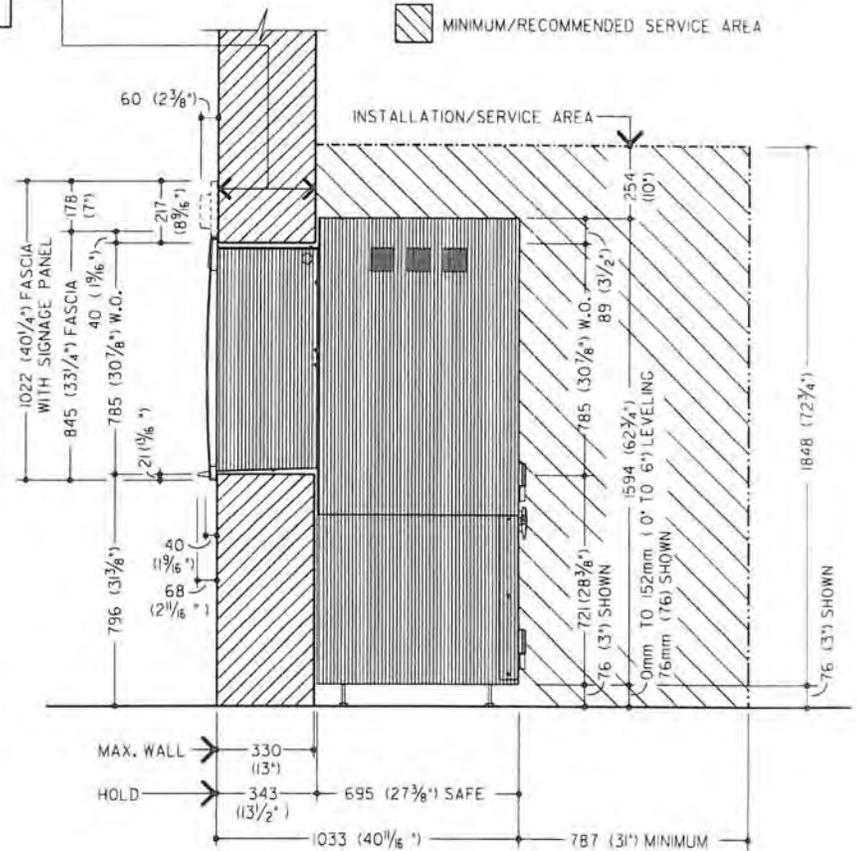


330mm (13") MAXIMUM WALL THICKNESS IN AREA OF UNIT

SEE WALL OPENING DETAIL FOR RECOMMENDED CLEARANCE REQUIRED AROUND FASCIA.



EXTERIOR ELEVATION



VERTICAL SECTION



CONDUIT AND JUNCTION BOX REQUIREMENTS

- ① 25mm (1") METAL CONDUIT FROM ALARM CONTROL CABINET JUNCTION BOX TO 102mm (4") SQ. X 54mm (2 1/8") DP. JUNCTION BOX (ALL BY E.C.) DIEBOLT TO PROVIDE FLAT COVER WITH TAMPER SWITCH.
- ② WHEN "SECUROMATIC" AFTER HOUR DEPOSITORY IS TO BE CONNECTED TO CASH DISPENSER, E.C. TO RUN 19mm (3/4") METAL CONDUIT FROM 102mm (4") SQ. X 54mm (2 1/8") DP. JUNCTION BOX TO AFTER HOUR DEPOSITORY.
- ③ E.C. TO RUN 19mm (3/4") LIQUID TIGHT FLEX METAL CONDUIT OR 19mm (3/4") RIGID CONDUIT FROM JUNCTION BOX TO CABLE CONNECTING PLATE.
- ④ 9mm (3/4") METAL CONDUIT AND UNSWITCHED ELECTRICAL SUPPLY TO 102mm (4") SQ. X 54mm (2 1/8") DP. JUNCTION BOX WITH RECEPTACLE WITHIN 2490mm (98") OF SIDE CONNECTING PLATE. BOTTOM CONNECTION MUST BE COMPENSATED ACCORDINGLY (ALL BY E.C.) (SEE POWER REQUIREMENTS).
- ⑤ E.C. TO SUPPLY COMPATIBLE RECEPTACLE FOR COUNTRY SPECIFIC PLUG-IN CONNECTOR SUPPLIED WITH UNIT. POWER CORD LENGTH 2490mm (98") FROM SIDE OF UNIT.

NOTE:

JUNCTION BOXES MUST BE LOCATED WITHIN 2490mm (98") OF CONNECTING PLATE. LENGTH OF ELECTRICAL POWER CABLE PROVIDED WITH UNIT, LOCATE IN AN EASILY ACCESSIBLE AREA.

BOXES CAN BE FLUSH MOUNTED WITH CONCEALED CONDUIT FOR NEW CONSTRUCTION OR BOXES CAN BE SURFACE MOUNTED WITH EXPOSED CONDUIT FOR EXISTING CONSTRUCTION.

PHYSICAL SECURITY

THE SECURITY SAFE MEETS THE BANK PROTECTION ACT 82 STAT 295, 12 USC 882, AND MEETS THE ATTACK TEST PER UL 291-5. THE SAFE DOOR HAS A POSITIVE RELOCKING FEATURE. THE SAFE DOOR IS CONTROLLED BY A GROUP 2 COMBINATION LOCK WITH OR WITHOUT KEYLOCKING DIAL CAPABILITY OR OPTIONAL ELECTRONIC LOCK.

ALARM PROTECTION

THE UL-LISTED SAFE IS EQUIPPED WITH A BASIC ALARM SENSOR PACKAGE. THE BASIC PACKAGE INCLUDES A SAFE DOOR OPEN SWITCH, ALARM SHUNTING SWITCH, AND RATE-OF-RISE HEAT SENSOR.

BUILDING AIR PRESSURE

BUILDING AIR PRESSURE DIFFERENCES AT THE ATM INSTALLATION LOCATION AFFECT THE INFILTRATION OF OUTSIDE AIR AND ACCOMPANY DIRT. THE ATM WILL OPERATE THROUGH ITS FULL RANGE OF FASCIA TEMPERATURES -34°C TO 54°C (-29°F TO 129°F) WITH ZERO (STATIC) OR POSITIVE AIR PRESSURE DIFFERENTIAL (MEASURED FROM THE INSIDE TO THE OUTSIDE OF THE BUILDING AT THE ATM INSTALLATION LOCATION). IF STATIC OR POSITIVE AIR PRESSURE CANNOT BE MAINTAINED, THE FASCIA LOWER LIMIT TEMPERATURE IS -20°C (-4°F). THE MAXIMUM NEGATIVE AIR PRESSURE ALLOWED IS 0.05" H₂O.

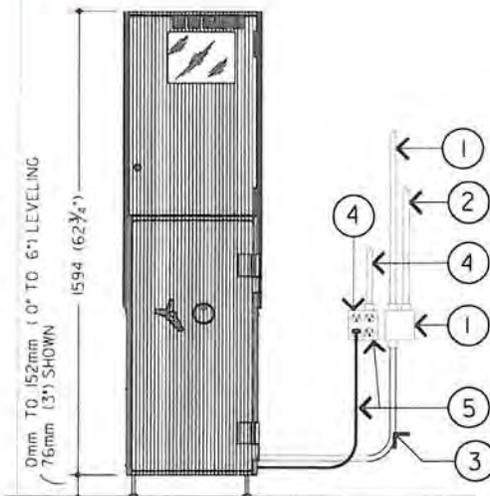
SIGNAL CABLE RUN CONSTRAINTS

THE FOLLOWING CHART ITEMIZES THE PHYSICAL SPACING REQUIREMENTS OF THE SIGNAL CABLE RUN WITH RESPECT TO OTHER POWER AND ELECTRICAL EQUIPMENT CABLE RUN.

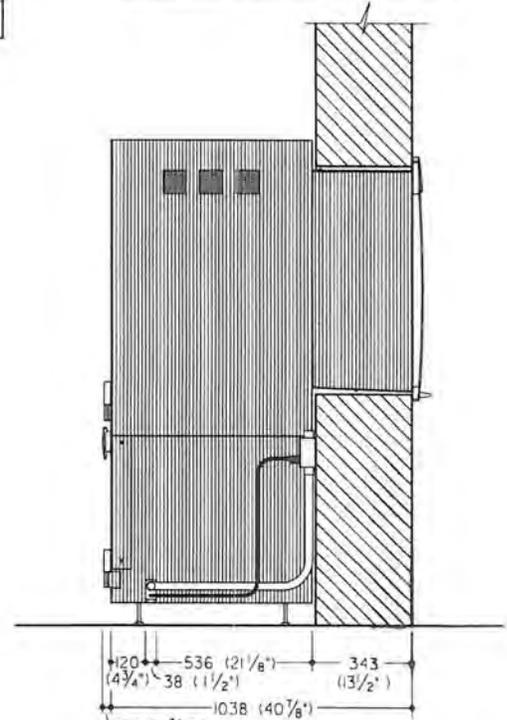
TYPE OF ELECTRICAL RUN	POWER OF ELECTRICAL RUN		
	BELOW 2 KVA	2-5 KVA	ABOVE 5 KVA
FLUORESCENT, NEON OR INCANDESCENT LIGHTING FIXTURES	127mm (5")	127mm (5")	127mm (5")
UNSHIELDED POWER LINE OR ELECTRICAL EQUIPMENT	127mm (5")	305mm (12")	610mm (2'-0")
UNSHIELDED POWER LINES OR ELECTRICAL EQUIPMENT WITH SIGNAL CABLES ENCLOSED IN GROUNDED CONDUIT	64mm (2 1/2")	152mm (6")	305mm (12")
POWER LINES IN GROUNDED CONDUIT WITH SIGNAL CABLES IN GROUNDED CONDUIT	30mm (1 1/8")	76mm (3")	152mm (6")

SIGNAL CABLE INSTALLATION CONSTRAINTS

RELATIVE CARE IS REQUIRED WHEN INSTALLING SIGNAL CABLES IN CONDUITS. UNLIKE POWER AND LIGHTING CABLE, SIGNAL CABLES HAVE SMALL CONDUCTORS AND LIGHT INSULATION AND WILL NOT WITHSTAND AS MUCH STRAIN IN INSTALLATION.



INTERIOR ELEVATION



VERTICAL SECTION

POWER REQUIREMENTS

THE CASH DISPENSER REQUIRES A SINGLE-PHASE, THREE-WIRE UNSWITCHED POWER RECEPTACLE. WIRING TO THE RECEPTACLE MUST INCLUDE A THIRD-WIRE EARTH GROUND (CONDUIT GROUND IS NOT ACCEPTABLE). THE CASH DISPENSER WILL PROVIDE A POWER CORD WITH A COUNTRY SPECIFIC POWER PLUG. THE POWER SUPPLIED MUST BE AS SPECIFIED BELOW.

- 100-127 VAC (+6%, -10%) 50HZ (+/-) 1% SINGLE PHASE
- 100-127 VAC (+6%, -10%) 60HZ (+/-) 1% SINGLE PHASE
- 200-240 VAC (+/-) 10% 50HZ (+/-) 1% SINGLE PHASE
- 200-240 VAC (+/-) 10% 60HZ (+/-) 1% SINGLE PHASE

POWER TO THE CASH DISPENSER MUST BE PROTECTED BY A SAFETY QUICK-DISCONNECT DEVICE TO BREAK LINE VOLTAGE (SUCH AS A CIRCUIT BREAKER AT THE ELECTRICAL SERVICE PANEL). THE QUICK-DISCONNECT DEVICE (OR CIRCUIT BREAKER) MUST TURN OFF THE LINE VOLTAGE AT THE FOLLOWING AMPERAGE.

- 100-127 VAC (+6%, -10%) SERVICE, DISCONNECT AT 20 AMPERES
- 200-240 VAC (+10%) SERVICE, DISCONNECT AT 10 AMPERES

THE MODULE BULK POWER SUPPLY AND PROCESSOR POWER SUPPLY WILL PROVIDE POWER CONDITIONING TO PREVENT THE TERMINAL FROM MALFUNCTIONING DUE TO SHORT-TERM AC POWER FLUCTUATIONS AS OUTLINED IN EN6100-A-11.

POWER USAGE

MACHINE STATUS	①	① WITH HEATER	②	② WITH HEATER
IDLE (NO TRANSACTION)	190 WATTS	690 WATTS	250 WATTS	750 WATTS
TRANSACTION (DISPENSE IN PROGRESS)	285 WATTS	785 WATTS	345 WATTS	845 WATTS

CONFIGURATION

- ① PROCESSOR, COLOR LCD CONSUMER DISPLAY, MOTORIZED CARD READER, JOURNAL PRINTER, 80mm THERMAL RECEIPT PRINTER AND 5 HIGH AFD.
- ② PROCESSOR, SVD LCD CONSUMER DISPLAY, MOTORIZED CARD READER, JOURNAL PRINTER, 80mm THERMAL RECEIPT PRINTER, 5 HIGH AFD AND SIGNAGE.

THE POWER USE DEPENDS ON THE NUMBER AND TYPE OF DEVICES PRESENT IN THE CASH DISPENSER, AND THE TYPE OF TRANSACTION THE CASH DISPENSER IS PERFORMING.

HEAT OUTPUT CONFIGURATION

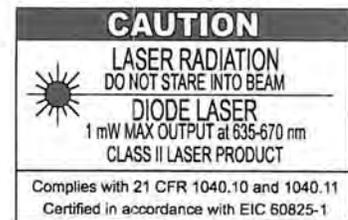
- ① 2,677 BTU/HR DISPENSE WITH HEATER
648 BTU/HR IDLE WITHOUT HEATER
- ② 2,910 BTU/HR DISPENSE WITH HEATER
785 BTU/HR IDLE WITHOUT HEATER

OPERATING ENVIRONMENT

- SAFE LOCATION — 10° C TO 38° C (50° F TO 100° F)
RELATIVE HUMIDITY (NON-CONDENSING)
20 TO 80% AT 32° C (90° F),
20 TO 55% AT 38° C (100° F)
- FASCIA LOCATION — -34° C TO 54° C (-30° F TO 130° F)
RELATIVE HUMIDITY IS TO 100%

WEIGHT OF UNIT
454 kg (1,000 LBS.)

CAUTION LABEL



DIMENSIONS IN MILLIMETRES (DIMENSIONS IN INCHES)

THIRD ANGLE PROJECTION

PAGE 2 OF 4

ALL DIMENSIONS AND DESIGN CRITERIA SUBJECT TO CHANGE WITHOUT NOTICE.

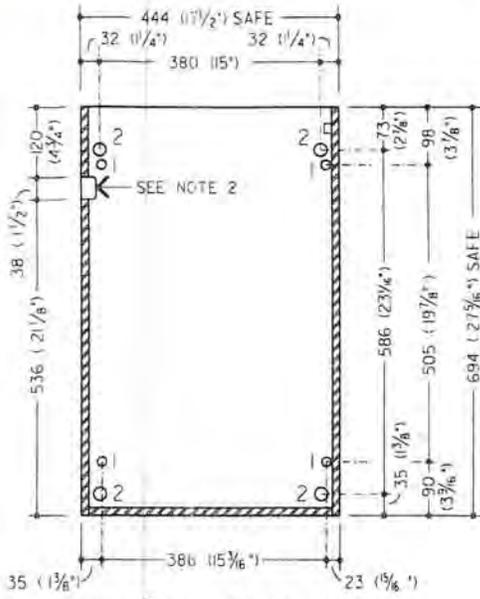
FILE NO. 177-495 REV. 0



NOTES:

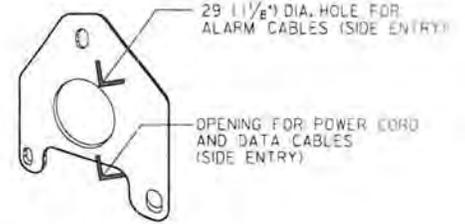
1. RECOMMENDED ANCHOR BOLT SIZE - M20 19mm (3/4") (NOT SUPPLIED WITH CASH DISPENSER).
2. ELECTRICAL AND DATA CABLING ENTERS THE CASH DISPENSER THROUGH A CABLE ENTRY OPENING ON THE SIDE OF THE SAFE. CABLES ENTERING THE CASH DISPENSER PASS THROUGH THE POWER CABLE PLATE WHICH IS ATTACHED TO THE INSIDE WALL OF THE SAFE OVER THE CABLE ENTRY OPENING. CABLING CAN ENTER FROM THE SIDE OR OPTIONALLY FROM UNDER THE CASH DISPENSER. THE CABLE ENTRY OPENING IS ON THE RIGHT SIDE OF THE SAFE AS VIEWED FROM THE REAR OF THE CASH DISPENSER.

DIMENSIONS IN MILLIMETRES
(DIMENSIONS IN INCHES)



1 (4) 14 (1/2") DIA. LEVELING LEG HOLES
2 (4) 22 (7/8") DIA. MOUNTING HOLES

PLAN/SECTION



POWER CABLE PLATE

THIRD ANGLE
PROJECTION

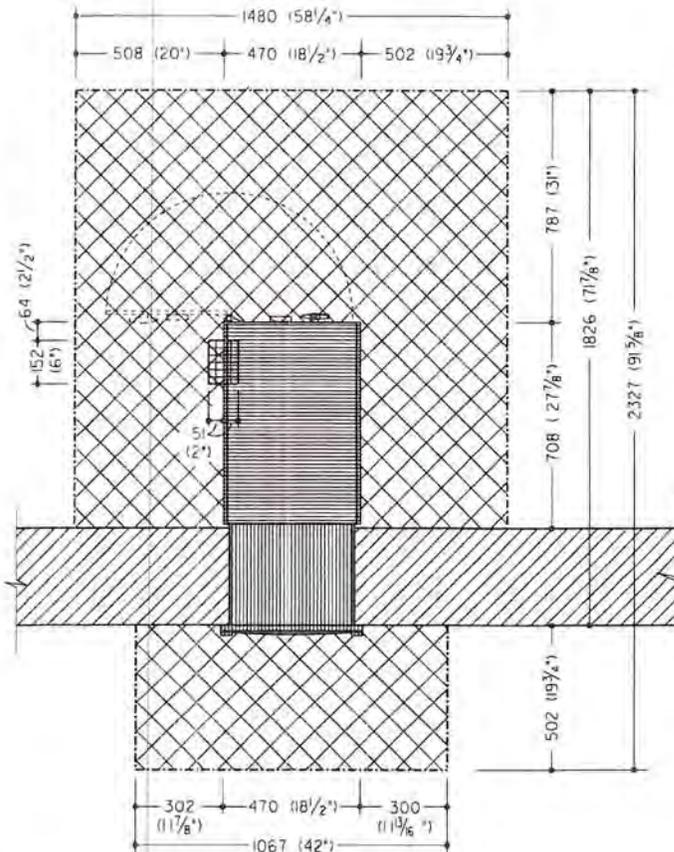
- RECOMMENDED SERVICE AREA
- MINIMUM SERVICE AREA
- ALL ELECTRICAL AND DATA CABLES MUST ENTER UNIT IN THIS AREA

NOTE:

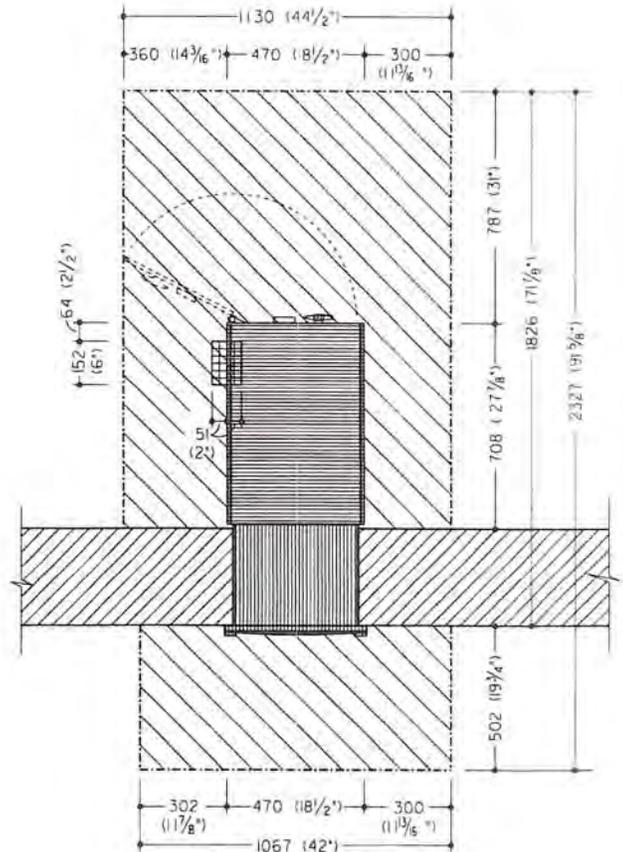
SHOWN IS THE MINIMUM/RECOMMENDED AREA REQUIRED FOR INSTALLATION AND SERVICE. DIMENSIONS SHOWN MAY BE INCREASED WHEREVER POSSIBLE TO IMPROVE INSTALLATION AND SERVICE ACCESS. USE OF ANY AREA LESS THAN THE RECOMMENDED AREA MAY RESULT IN AN INCREASE IN INSTALLATION AND SERVICE TIME. CONSULT WITH DIEBOLD INSTALLATION/SERVICE BRANCH FOR SPECIAL BUILDING CONDITIONS.

PAGE 4 OF 4

ALL DIMENSIONS AND DESIGN CRITERIA SUBJECT TO CHANGE WITHOUT NOTICE.



**PLAN VIEW
(SINGLE UNIT)
(RECOMMENDED SERVICE AREA)**



**PLAN VIEW
(SINGLE UNIT)
(MINIMUM SERVICE AREA)**

FILE NO. 177-495 REV. 0

JUNO

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

**6" IC LED RETROFIT
DOWNLIGHT TRIM****900 LUMEN
J6RLG3****PRODUCT DESCRIPTION**

All-in-one 6" LED Retrofit downlight trim installs into existing 6" incandescent housings with medium base sockets or Juno IC23-LEDT24 and IC23R-LEDT24 quick connect recessed housings • May be used in housings completely covered with insulation • Selection of interchangeable baffle and cone trim inserts can be changed in the field to customize the look of the product • Dimmable with most standard incandescent or electronic low voltage dimmers • Designed to provide 50,000 hours of life • 5 year limited warranty on LED components.

ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- No harmful ultraviolet or infrared wavelengths
- No lead or mercury
- Comparable light output to 75W PAR30 incandescent while consuming less than 16W*

**PRODUCT SPECIFICATIONS**

LED Retrofit Downlight Trim Aluminum housing with white painted flange as standard • All-in-one design where LED light engine mounts directly to trim • Quick release slot allows for field changing of trim inserts • Provided with torsion springs as standard • Accessory kit available for use in housings that do not have torsion spring retaining brackets.

LED Light Engine LED array integrated to one piece high purity aluminum, thermally conductive housing provides uninterrupted heat transfer to ensure long life of the LED • Light engine incorporates the latest generation, high lumen output LED array • LEDs are binned to standards that exceed ENERGY STAR® requirements yielding superior fixture to fixture color uniformity • 2700K, 3000K, 3500K or 4100K color temperature available • 83 CRI typical.

LED Driver Dedicated 120 volt driver • Power factor > 0.9 at 120V input • Dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers • For a list of compatible dimmers, see JUNOLEDG3-9-DIM and reference dimmer list for dedicated 120V only housing.

Trim Inserts Choice of baffle or cone inserts in a selection of finishes ship installed in trim • Interchangeable design allows the inserts to be changed in the field • All inserts available to order as an accessory.

Optical System Computer-optimized reflector design with high reflectance white finish coupled with a high transmission diffusing lens conceals the LEDs • Efficient system that can produce over 900 lumens while using less than 16W*.

Electrical Connections Trim features quick connect plug installed as standard for installation into IC23-LEDT24 and IC23R-LEDT24 housings with mating connector • Trim ships with a medium base socket adapter whip for installation into 6" incandescent housings with medium base sockets.

Life Rated for 50,000 hours at 70% lumen maintenance.

Labels ENERGY STAR® Qualified to luminaires V1.1 requirements • Certified to the high efficiency requirements of California T24-2008 • Suitable for wet locations • Union made • UL and cUL classified for use with 6" incandescent medium based housings and Juno IC23-LEDT24 or IC23R-LEDT24.

Testing All reports are based on published industry procedures; field performance may differ from laboratory performance.

Product specifications subject to change without notice.

COMPATIBLE HOUSINGS

The J6RLG3 retrofit module is compatible with most 6" recessed housings measuring at least 5-1/4" high with an inside diameter between 6" and 6-3/4". Removal of the housing socket plate or socket mounting bracket may be required in order for the trim to fit properly. If housing does not have torsion spring brackets, the V6RL-TRB accessory is required. Compatible housings include, but not limited to:

Juno housings: IC2 and TC2 Series, IC22 Series, IC23 Series, IC21 Series

VuLite housings: V6IC and V6TC Series

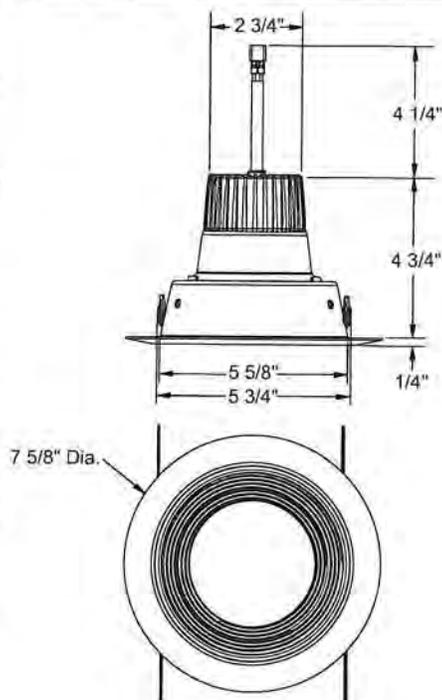
Halo housings: H7 Series

Thomas housings: PS1 and PS3 Series

Capri housings: QL1 Series

Lithonia housings: L7X and LC6 Series

* Nominal input wattage under stable operating conditions.

DIMENSIONS**ELECTRICAL DATA**

	120V
Input Power	15.4W (+/-5%)
Input Current - Max	0.15A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-20°C

ACCESSORIES

Catalog No.	Description
V6RL-TRB	Torsion receiver bracket kit to install trim into housings that do not have torsion receiver brackets

To order, specify catalog number.



6" IC LED RETROFIT DOWNLIGHT TRIM

900 LUMEN

J6RLG3

ORDERING INFORMATION: Retrofit and accessories each ordered separately.

Example: J6RLG3-27K-9-WWH

Downlight Retrofit	Color Temperature	Lumen Package	Trim
J6RLG3	27K 2700K 3K 3000K 35K 3500K 41K 4100K	9 900 Lumen	WWH White Baffle BWH¹ Black Baffle CLW Clear Cone WHW White Cone HZW Haze Cone WZW Wheat Haze Cone ¹ Not ENERGY STAR rated or T24.

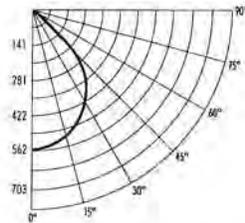
ACCESSORIES

Catalog No.	Description
J6RLTRIM-WWH	White Baffle Trim Insert
J6RLTRIM-BWH	Black Baffle Trim Insert
J6RLTRIM-CLW	Clear Cone Trim Insert
J6RLTRIM-WHW	White Cone Trim Insert
J6RLTRIM-HZW	Haze Cone Trim Insert
J6RLTRIM-WZW	Wheat Haze Cone Trim Insert

To order, specify catalog number.

PHOTOMETRIC REPORT

Test Report #: PT12110101R
 Catalog No: J6RLG3-27K-9-WWH
 with White Baffle Trim
 Luminaire Spacing Criterion: 1.14
 Luminaire LPW: 56



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical	0°
0	562	
5	556	
15	527	
25	473	
35	349	
45	150	
55	69	
65	37	
75	16	
85	1	
90	0	

Multipliers: 3000K - 1.07
 3500K - 1.08
 4100K - 1.09

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
 Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	59	49	41
5.0'	38	31	26
6.0'	26	22	18
7.0'	21	18	15
8.0'	17	14	12
9.0'	13	11	9
10.0'	9	8	7

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	417	N/A	47.6
0-40°	630	N/A	72.0
0-60°	817	N/A	93.4
0-90°	875	N/A	100.0

INITIAL FOOTCANDLES

(One Unit, 15.7W, 76.6° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	35.1	6.3'
6	15.6	9.5'
8	8.8	12.6'
10	5.6	15.8'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	11629
55	6606
65	4769
75	3426
85	925

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

PERFORMANCE DATA²

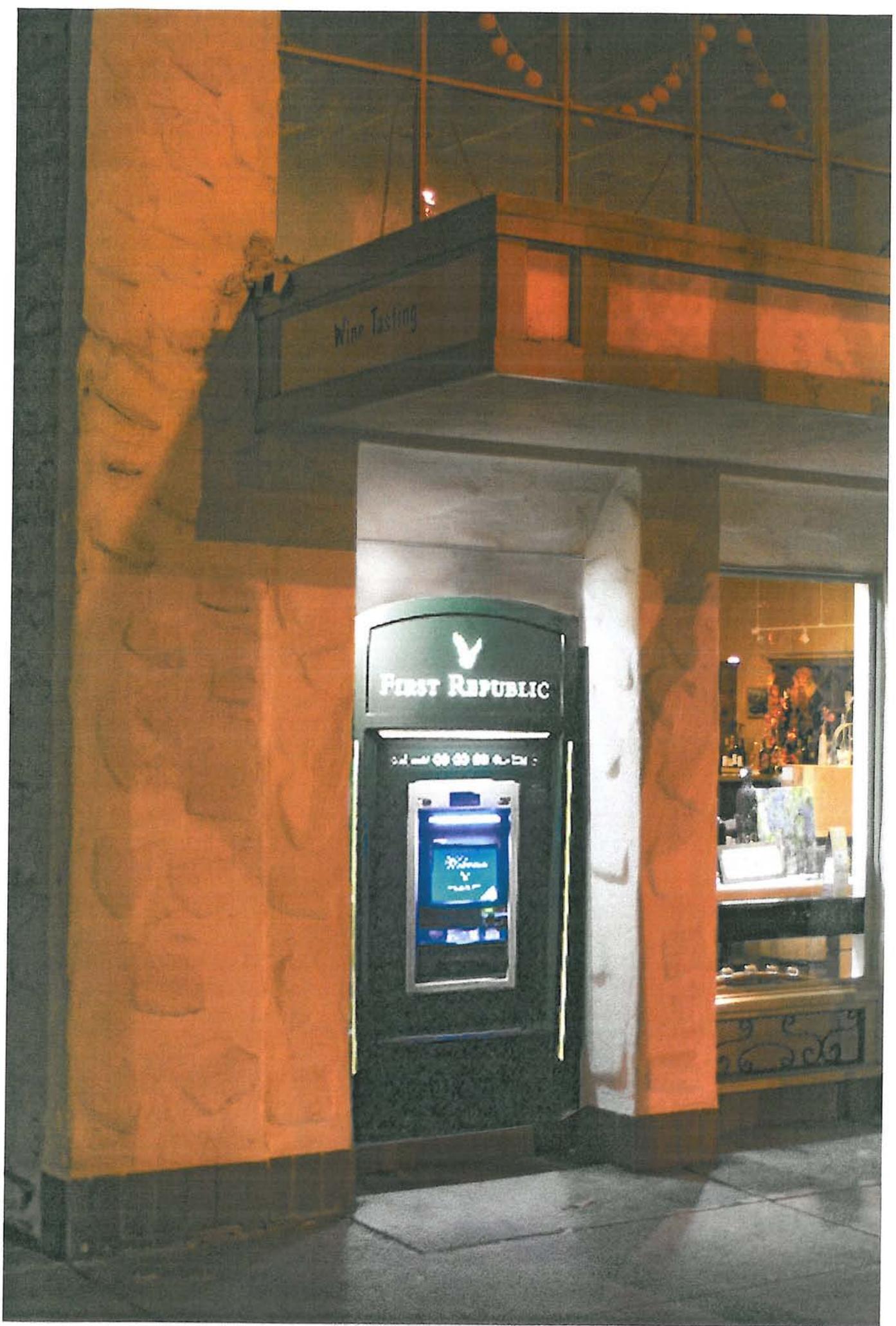
Catalog Number	Trim	Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)
J6RLG3-27K-9-CLW	Clear	15.7W	915	58	50,000
J6RLG3-27K-9-HZW	Haze	15.7W	906	58	50,000
J6RLG3-27K-9-WWH	White Baffle	15.7W	875	56	50,000
J6RLG3-3K-9-CLW	Clear	15.7W	980	62	50,000
J6RLG3-3K-9-HZW	Haze	15.7W	970	62	50,000
J6RLG3-3K-9-WWH	White Baffle	15.7W	936	60	50,000
J6RLG3-35K-9-CLW	Clear	15.7W	988	63	50,000
J6RLG3-35K-9-HZW	Haze	15.7W	978	62	50,000
J6RLG3-35K-9-WWH	White Baffle	15.7W	945	60	50,000
J6RLG3-41K-9-CLW	Clear	15.7W	999	64	50,000
J6RLG3-41K-9-HZW	Haze	15.7W	989	63	50,000
J6RLG3-41K-9-WWH	White Baffle	15.7W	954	61	50,000

²Performance data, including Rated Life, is based on measurements of an individual fixture operating in a 25°C ambient.



1300 S. Wolf Road • Des Plaines, IL 60018 • Phone (847) 827-9880 • Fax (847) 827-2925
 220 Chrysler Drive • Brampton, Ontario • Canada L6S 6B6 • Phone (905) 792-7335 • Fax (905) 792-0064
 Visit us at www.junolightinggroup.com

Printed in U.S.A. ©2012 Juno Lighting, LLC.



FIRST REPUBLIC BANK ATM BASE COLOR



B. Building Design.

1. Height and Profile. Proposed structures shall not exceed a maximum height of 30 feet in the Commercial, Mixed Use and R-O zoning districts, except that a 36-foot height may be allowed at the discretion of the planning commission for new developments that include a third floor residential component. Within the R-L, R-M, and P zoning districts, the maximum height shall be 30 feet. For structures in excess of 15 feet in the R-M and R-O districts, side and rear setbacks shall be increased by two feet for each additional five feet in height. See the following design guidelines, and SMC 19.40.040 for height measurement and exceptions.

2. Building Types – Guidelines for Residential Structures. Proposed dwellings should be placed on their sites so that the most narrow dimension of the structure is parallel to the most narrow dimension of the parcel, and so that the primary entrance to the dwelling faces the public street, or is accessible from a porch or other entry element which faces the street.

3. Building Types – Guidelines for Commercial and Mixed Use Structures. New commercial and mixed use buildings and alterations to existing structures should reinforce the authentic historic character of the Downtown district. In reviewing proposals for commercial and mixed use development and redevelopment, the review authority (the planning commission or the design review commission, as applicable) shall make use of the following guidelines:

a. Buildings should reinforce the scale, massing, proportions and detailing established by other significant historic buildings in the vicinity (if any).

b. The massing of larger commercial and mixed use buildings (5,000 square feet or greater) should be broken down to an appropriate scale through the use of storefronts and breaks in the facade.

c. Architectural styles and details that reflect the Sonoma vernacular should be used. In the Downtown district, examples include stone, stucco, pressed metal, transoms, base tile, and glass block. The use of durable, high quality materials is encouraged.

d. Site design and architectural features that contribute to pedestrian comfort and interest, such as awnings, recessed entrances, paseos, alleys, and patios, are encouraged.

e. In renovations involving historic buildings, authentic details should be preserved and any new detailing and materials should be compatible with those of the existing structure. Pre-existing alterations that diminish a building's historic qualities should be removed when the opportunity arises. (See Chapter 19.42 SMC, Historic Preservation and Infill in the Historic Zone.)

f. Building types, architectural details and signs having a generic or corporate appearance are strongly discouraged. Chain stores and franchises are not prohibited in the Downtown district,

but such uses must respect and contribute to the historic qualities of the area in terms of building design and signs. (Ord. 03-2004 § 3, 2004; Ord. 2003-02 § 3, 2003).



SONOMA ENOTECA

Sonoma-Enoteca

FAVERO

SONOMA

STOP
ALL WAY

FIRST REPUBLIC
ATM

NC

FIRST REPUBLIC ATM

FIRST REPUBLIC ATM

FIRST REPUBLIC

ATM interface showing a balance of \$1,234.56 and a 'WITHDRAW' button.

1907

