City of Langley

Design Review Board

AGENDA

February 19, 2014 – 6:30 PM

LANGLEY CITY HALL 112 2nd Street, Langley WA

1. Call to Order
2. Citizen Comments
3. DRB-14-004 – Signage, Lighting and Harbormaster Office at 228 Wharf Street [South Whidbey Harbor at Langley]
4. DRB-14-005 – New Signage at 107B First Street [The Egg]
5. DRB-14-006 – New Signage at 111 First Street [Trillium Home & Design]
6. Adjourn

Next Regular Meeting: March 18, 2014
Bob Dalton called the meeting to order at 6:30 PM.

**ATTENDANCE**

Members Present: Bob Dalton, Janet Ploof, Ron Kasprisin, Cathy Rooks, Paul Sarkis and Kari Gunderson  
Members Absent:  
Staff Present: None

**Minutes**

Motion by Cathy Rooks to approve the minutes of December 17, 2013. Seconded by Paul Sarkis. Motion passes 5-0.

**Seawall Park Lighting**

Sea Wall Park lighting was not on the agenda. General upgrade ideas for Sea Wall Park were discussed by Main Street DESIGN Committee member Colin Campbell. Installation of four downward facing lights at the base of existing poles was discussed and met with approval. DRB requested LMSA add a map to the packet indicating which poles would be included. No motion.

**DRB-14-001 – Exterior Remodel and new Garage at 221 Anthes Ave. (Frank and Janet Ploof)**

Ploof remodel of existing building and construction of new garage at 221 Anthes was reviewed.

Motion to approve: Ron Kasprisin Second: Kari Gunderson  
Motion passed 5-0.

**DRB-14-002 – Signage and Art at 117 Anthes Avenue (Langley Whale Center)**

Whale Center installation of signs, mural and whale jawbone archway were discussed. The archway support structure is engineered by Jeff Tapert for construction by Tim Leonard.

DRB requested Orca Network to resubmit the sign design with exact lettering and whale images to be used.

DRB moved to approve the mural, the archway and the signs with the dimensions of the corner sign reduced to 2’ x 3’

Motion to approve: Ron Kasprisin Second: Paul Sarkis  
Motion passed 5-0.

Meeting adjourned at 6:45 pm

The next Design Review Board meeting is scheduled for February 19, 2014.
Bob Dalton called the meeting to order at 5:04 PM.

**ATTENDANCE**

Members Present:  Bob Dalton, Janet Ploof, Ron Kasprisin, Cathy Rooks, Paul Sarkis and Kari Gunderson
Members Absent: Bob Dalton
Staff Present: Jeff Arango

**DRB-14-003 - Seawall Park Lighting**

Motion by Ron Kasprisin to approve the project as presented. Seconded by Paul Sarkis. Motion passes 5-0.

Meeting adjourned at 5:28 pm

The next Design Review Board meeting is scheduled for February 19, 2014.
PROJECT DESCRIPTION

The Design Review Board reviewed the Phase I A expansion project for the South Whidbey Harbor in 2012, but did not approve the lighting plan for the floating breakwater, the new harbormaster office, or signage. The lighting plan could not be approved because the city’s shoreline master program at the time limited dock lighting to be no higher than 3’. The recently adopted 2013 shoreline master program allows for taller fixtures in high traffic areas. Each of the proposed 12’ tall LED fixtures will be controllable for brightness. Staff has approved the lighting with respect to the standards in the 2013 shoreline master program.

In addition to the lighting plan, the applicant is requesting approval for the new harbormaster office on the existing timber pile breakwater and a signage package for general identification, slip numbering and wayfinding (see attached signage graphics).

ANALYSIS

Breakwater Lighting

The proposed lights for the floating breakwater are LED fixtures mounted 12’ above the dock surface and are full cut off. The brightness of each individual fixture will be controllable. The floating breakwater will be a high use area and can accommodate larger passenger vessels. Therefore, fixtures taller than the 3’ standard are justified. The ability to control the brightness of each fixture allows for the ability to adjust to changing conditions and needs. The lighting shall be the minimum necessary for adequate, safe and inviting lighting based on the changing uses of the floating breakwater. The proposed lighting is consistent with the Langley Shoreline Master Program and the Langley Municipal Code.

SMP Lighting Standards for Height of Fixtures:

2. Height of Fixtures. Lights shall be not taller than 3’ from the surface of the dock or float except the city may approve taller lights based on the following circumstances and standards:
a. The lighting is proposed for operational needs, including areas of high use such as major walkways or for commercial activities.

b. Lights above 3’ shall not be used adjacent to individual moorage slips unless it is determined to be an area of high use and the design minimizes impacts on adjacent overnight moorage guests.

c. The design should incorporate, to the extent practical, measures to minimize illumination levels from the taller fixtures during off-peak periods of usage including timers, dimmers or alternative lighting.

d. Lights shall be full cut-off fixtures.

Signage

The Langley Municipal sign code establishes the following purpose and intent in regulating signage:

1. Scale compatibility and visual appropriateness with both the natural beauty of the environment and the unique building-scape of the city;

2. Symbolic appropriateness with the activity to which it pertains;

3. Expressive identity of individual proprietors, yet never violating the visual character of the surroundings in which it is to be placed;

4. Legibility at the distance and pace (speed) at which it is to be seen;

5. Undue blocking of public view from the public right-of-way;

6. Reduction of distractions contributing to traffic confusion or accidents.

The Port of South Whidbey has a history of developing high quality facilities with unique signage and art installations that reflect their location. Freeland Park, Clinton Beach and Phil Simon Park are three examples of facilities that have unique signage and in the case of Freeland Park and Clinton Beach signage the reflects the facilities specific location. The proposed signage for the marina appears to be inconsistent with the Port of South Whidbey's approach to naming facilities and developing place based signage in some respects. The proposed pedestrian dock entrance sign is unique and will contribute positively to the pedestrian experience in the harbor area. The Wharf Street Kiosk sign and exterior harbor signage utilize the Port of South Whidbey logo rather than developing a signage package that is unique to Langley like at Clinton Beach and Freeland Park. Langley's signage regulations specifically reference the goal of providing unique place based signage that reflects the local community.
In addition, it would benefit users of the boat harbor to also identify the harbor as being in the City of Langley. All signage appears to adopt the Port of South Whidbey logo with no references to Langley as was done for the Clinton Beach and Freeland Park signs [See attached photos of existing signage at PofSW facilities]. On the Port of South Whidbey’s website the boat harbor is referred to as the “South Whidbey Boat Harbor in Langley”. It would be unfortunate if the Port of South Whidbey began changing the unique place based signs to include only the Port of South Whidbey log. The signage and website references should be consistent and signage should reflect the local community in which it is located.

The application materials do not include a site plan that show where the signs will be located. While general locations are referenced in the sign graphics it’s not entirely clear. The wayfinding sign plans do not provide enough specificity in terms of the number of signs, locations, sizes and directional information. The pedestrian oriented wayfinding signs appear to be significantly larger than necessary with an average size of 12’x20” or approximately 20 square feet. A site plan, additional graphics and information should be provided regarding the proposed signage locations with specific emphasis on the wayfinding signage. The application materials should address the proposed sign sizes with respect to viewing distances and legibility as the total square footage of signage is well in excess of typical commercial or institutional uses.

*Shoreline Master Program Sign Standards*

6.7.2.6 - Signs associated with recreation facilities shall be kept to the minimum necessary and comply with the City of Langley sign regulations.

The applicant shall provide additional information to justify the total amount of signage proposed.

*Harbormaster Office*

The new harbormaster office is an aluminum-fabricated structure painted turquois with 12” black vinyl base skirting. The structure includes a map of the marina mounted on the front. At a prior design review board meeting the Port of South Whidbey stated they were planning to work with an artist on the design of the harbormaster office yet the submitted plans appear to be a pre-fabricated structure. The applicant should provide more information on the design of the harbormaster office and how the structure is consistent with the Langley Municipal Code and the city’s design review standards.

**PROPOSED FINDINGS AND CONCLUSIONS:**

1. The City of Langley received a complete application on February 12, 2014 for lighting on the floating breakwater, a new harbormaster office and new signage.

2. The pedestrian dock entrance sign is consistent with the Section 18.35 of the Langley Municipal Code [sign code] and the 2013 Shoreline Master Program
3. The floating breakwater lighting is consistent with the 2013 Shoreline Master Program; the lighting is in a high traffic area and the brightness can be controlled for each individual LED fixture.

4. No site plan was provided with the application materials that identifies where the signs will be located.

5. The total number and specific locations of signs was not provided in the application.

6. The dock and slip signage is exempt from the permitting requirements in accordance with LMC 18.35.40

7. The total square footage of proposed sign is approximately 177 square feet.

8. The harbor identification signage and does not reflect the unique building-scape of the city.

9. The applicant has provided no specific supporting documentation addressing compliance with the Langley Municipal Code, the Shoreline Master Program or the city’s design review standards with respect to the proposed signage and harbormaster shed.

STAFF RECOMMENDEDATION:

Staff recommends the DRB approve the pedestrian dock sign and the breakwater lighting with the following conditions:

1. The city may require modifications to the breakwater lighting levels to ensure consistency with the Shoreline Master Program and ensure minimal impacts to adjacent property owners and minimize light spillover onto the water surface. The lighting levels used shall be the minimum necessary to provide adequate, safe and inviting lighting.

Staff also recommends the DRB request the applicant provide additional information on the following items:

1. The specific locations, sizes and sign information for all proposed signs including the wayfinding signs.
2. The design of the harbor identification signage and consistency with the Langley Sign Code
3. The design of the harbormaster office and compliance with the city’s Design Review Standards
4. Additional information to justify the total amount of proposed signage
ATTACHMENT A: Port of South Whidbey Signage
DRB-14-006
ATTACHMENT A: Port of South Whidbey Signage
DRB-14-006
Fig. 9. Dock & slip signage for new breakwaters D & E

Two sided sign denoting dock and slip assignment. Attached to existing light post. Set perpendicular to dock for visibility. Color and lettering, vinyl. 10” X 24”
Fig. 3. Exterior harbor signage

CALL FOR SLIP ASSIGNMENT
360-221-1120  V.H.F. 66A

DOCKS   A   B   C   M

3 ft. X 7 ft. ¼ " white PVC board, vinyl lettering.
Colored dock assignments. Mounted to harbor breakwater.

Fig. 4. Exterior harbor signage

CALL FOR SLIP ASSIGNMENT
360-221-1120  V. H. F. 66A

DOCKS   D   E

3 ft. X 7 ft. ¼ " white PVC board, vinyl lettering.
Colored dock assignments. Mounted to breakwater.
Proposed location: Existing wooden kiosk, top of Wharf st. Reflective yellow vinyl back ground / on white ¼” PVC Sheet. Augmented logo with gray border. Size 12” X 40 1/2”

The signs core is comprised of a 12 ft. x 10” x 10” cedar post stained black. Secured to a metal base in concrete, the post will be skewed 45 degrees from dock entrance.

The exterior skin is fashioned from a raised aluminum sheet, clad in colored vinyl.

At the 10 ft. elevation, metal stanchions are planned to hold banners, flower displays, etc.

Native American in nature.
Fig. 10. Pedestrian dock signage

Signage directing pedestrians to specific docks. Located near ramp areas. Clear colored polycarbonate plastic with vinyl lettering. Average size 12' X 20".
Diamond shape, 1/4” white PVC board with reflective color identifying dock, black lettering on white ground. Possible to add hanger denoting slip status if needed.
Specifications

**STS-LED**

60 Light Emitting Diodes

Total Max System Watts = 73W

Maximum Weight = 45 lbs.

**Housing:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral cooling fins on top surfaces above the optical chamber and electrical compartment. A solid barrier wall separates the optical and electrical compartments, with gasketed wire penetrations. A double-thick wall with gussets is provided on the support arm mounting end. All hardware is stainless steel.

**Lens Frame:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with a 1" minimum thickness around the gasket flange for rigidity. Integral hinges with stainless steel pins provide easy-latch mounting and removal from the housing. Two stainless steel thumb-latches are recessed into the front corners, concealed from normal view. Lens frame seals against the housing by a one-piece extruded silicone gasket with a weatherized cover. Clear 1/4" thick tempered flat glass is retained in the frame by eight clips with full silicone gasketing around the perimeter.

**Electronic Driver Module:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral cooling fins over exposed bottom surface. Integral hinges and slide latch with stainless steel hardware provides no-tool mounting and removal from housing. Module includes a driver, thermal control devices, and surge protector. All electronic components are UL and CSA recognized and mounted directly to the driver tray for maximum heat dissipation. Driver is rated for -10°F starting and has a 0-10V dimming interface for multi-level illumination option.

**Optical Module:** Precision, replaceable MicroEmitters are positioned to achieve directional control toward desired task. Secondary MicroEmitters surround the module to redirect light downward. No fasteners are placed on the reflective surface. The entire EmitterDeck fastens to the housing as a one-piece module.

**Support Arm:** One-piece extruded aluminum with internal bolt guides. Luminaire-to-pole attachment is by internal draw bolts, and includes a pole reinforcing plate with wire strain relief. For mounting to round poles, arm is circular cut for precise matching to the pole diameter.

**Finish/Color:** Finish is Super TQC thermoset powder coat paint, 2.5 mil nominal thickness, applied over a titanate zirconium conversion coating. A.S.T.M. 2500 hour salt spray test endurance rating. Standard colors are Black, Dark Bronze, Light Gray, Stealth Gray®, Platinum Silver, or White. Custom colors are available.

**Warranty:** Kim Lighting warrant the Structural LED products ("Products") sold by Kim Lighting to be free from defects in material and workmanship for (i) a period of ten (10) years for exterior housing paint finishes, (ii) a period of six (6) years for LED Light Engines (MicroEmitters) and, (iii) a period of five (5) years for LED power components (LED Driver, LifeShield® device, Surge Protector), from the date of sale of each Product to the buyer as specified in Kim Lighting's shipment documents for each product.

**CAUTION:** Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

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**Listings and Ratings**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETL to Ul 1598 Standards</td>
<td>IP66 Rated</td>
</tr>
<tr>
<td>CE</td>
<td>25°C Ambient</td>
</tr>
<tr>
<td>Full Cut Off (flat glass lens only)</td>
<td>Cutoff (curved glass lens only)</td>
</tr>
</tbody>
</table>

*Suitable for wet locations
*Dark Sky Compliant

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**STS**

**Structural™-Small, Electronic-LED**

**Type:** S14

**Job Name:** Port of South Whidbey - Langley Small Boat Harbor Phase

**Architect:** Pending Architect

**Engineer:** Pending Engineer

**Catalog Number:** 1SA/STS2/60L3K240/WH/TDP/XX_POLE/WH-IM-1RDF-1277

**Notes:**

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**Standard Features**

**Mounting**

3SY is available for round poles only.

**Plan View:**

- EPA: 1.1, 2.2, 1.5, 2.6, 2.6, 2.7
- Cat. No.: □ 1SA □ 2SB □ 2SL □ 3ST □ 3SY □ 4SC □ 1W

**Fixture**

Cat. No. designates STS-led fixture and optic.

**Distribution:**

- □ 12 = Type II Full Cutoff
- □ 3 = Type III Full Cutoff
- □ 4 = Type IV Full Cutoff
- □ 5 = Type V Square Full Cutoff
- □ L = Type L Left Full Cutoff
- □ R = Type R Right Full Cutoff

**Light Distribution:**

- Type II
- Type III
- Type IV Forward Throw
- Type V Square
- Type R Right
- Type L Left

**Electrical Module**

Cat. Nos. for Electrical Modules available:

- 60
- 60 = 60 LED's

**Source:**

- 60 = 60 LED's

**Voltage:**

- □ 120 = 120V
- □ 277 = 277V
- □ 347 = 347V
- □ 480 = 480V

**Color Temperature:**

- □ 13K = 3500K
- □ 15K = 5100K
- □ 12K = 5800nm - Amber

1 4300K and 6500K are also available on an "Engineered-to-Order" (ETO) basis.

2 Due to current unavailability of 347V and 480V drivers, specification of these voltages may feature an integral step-down transformer.

<table>
<thead>
<tr>
<th>Fixture</th>
<th>Total System Watts</th>
<th>Volt</th>
<th>Operating Amps</th>
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<tbody>
<tr>
<td>STS-Small</td>
<td>73</td>
<td>120</td>
<td>0.61</td>
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<tr>
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<td>73</td>
<td>240</td>
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<td>73</td>
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<td>0.26</td>
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<tr>
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<td>73</td>
<td>347</td>
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<tr>
<td>STS-Small</td>
<td>73</td>
<td>480</td>
<td>0.15</td>
</tr>
</tbody>
</table>

**Finish**

Super TGIC powder coat paint over titanated zirconium conversion coating.

- Color: Black □ Dark Bronze □ Light Gray □ Stealth Gray™ □ Platinum Silver □ White □ Custom Color

- Cat. No.: □ BL □ DB □ LG □ SG □ PS □ WH □ CC

- Custom colors subject to additional charges, minimum quantities and extended lead times.

- Consult representative for Custom color description:

Optional Features

Fusing
Cat. No. (see right) □ No Option

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<tr>
<th>Line Volts</th>
<th>120V</th>
<th>208V</th>
<th>240V</th>
<th>277V</th>
<th>347V</th>
<th>480V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat. No.</td>
<td>SF</td>
<td>SF</td>
<td>SF</td>
<td>SF</td>
<td>SF</td>
<td>DF</td>
</tr>
</tbody>
</table>

Single Fuse

Pole Mounted Structural Options
Cat. No. (See right) □ No Option

**TS - Single Tension Rod:** Rod has die-cast aluminum clevis which fasten to die-cast aluminum cleats. Fixture cleat is factory mounted, and includes a silicone gasket. Pole cleat is field mounted, and is circular cut for precise mating to round poles. Rod diameter is .406". All fasteners are blackened stainless steel. All Kim poles are pre-drilled to accept fixture arm and tension rod cleat.

Cat. No.
□ TSP Structural option rod and clevis detail is finished to match fixture.
□ TSN Structural option rod is stainless steel with nickel plated clevis.

Mounting: 1SA 2SB 2SL 3ST 3SY 4SC
EPA: 1.2 2.4 1.6 2.8 2.8 2.9

**TD - Double Tension Rods:** Rods have die-cast aluminum end brackets which fasten to die-cast aluminum cleats. Fixture cleats are factory mounted, and include silicone gaskets. Pole cleat is field mounted, and is circular cut for precise mating to round poles. Rod diameter is .406". All fasteners are blackened stainless steel. All Kim poles are pre-drilled to accept fixture arm and tension rod cleats.

Cat. No.
□ TDN Structural option rod and clevis details are finished to match fixture.

Mounting: 1SA 2SB 2SL 3ST 3SY 4SC
EPA: 1.25 2.5 1.65 2.9 2.9 3.0

**TR - Truss:** Cast aluminum truss is fastened to die-cast aluminum cleats. Fixture cleat is factory mounted, and includes a silicone gasket. Pole cleats are field mounted, and are circular cut for precise mating to round poles. Truss members are ¾ square. All fasteners are blackened stainless steel. All Kim poles are pre-drilled to accept fixture arm and truss cleats.

Cat. No.
□ TR Structural option is finished to match fixture.

Mounting: 1SA 2SB 2SL 3ST 3SY 4SC
EPA: 1.4 2.8 1.9 3.3 3.3 3.4

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Lumen Performance Charts

NOTES:
1. Lumen loss stabilization is a result of Kim Lighting's MicroEmitter™ luminaire exclusive LifeShield™ Protection System and Dual Heat Management.
2. The LifeShield™ Protection System will lower the current to the LEDs significantly if the luminaire is exposed to direct heat (sun) or excessive abnormal conditions.
3. Lumen Luminaire Loss assumptions are based on LM-80 results and an actual outdoor product testing based upon 3100K CCT, 350mA drive current, 25°C/77°F lab ambient and cathode temperature at 85°C/185°F. Assumptions past 6,000 hours are interpolated.
4. Cathode temperature baseline is at 85°C/185°F. If cathode temperature increases during ambient changes and abnormal environment conditions, % of rated lumen will slightly decrease.
5. Outdoor ambient temperatures are assumed SITU average by geographic region.
6. As Solid State Lighting technology and thermal management systems continually advance, lumen loss projections are subject to improvement.

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Wireless Lighting Controls

wiHUBB™ In-fixture Module

KEY FEATURES
- Single or dual relay versions for On/Off or High/Low control
- Optional 0 – 10VDC interface for full range dimming control
- Device intelligently and automatically responds to sensors and switches in the most energy-efficient manner
- Schedules are held in the devices themselves – no need for a master scheduling device
- Monitors, measures, and records energy consumption and runtime data
- Retains data during power outages
- Robust & reliable 900MHz wireless self-organizing and self-healing mesh network
- Future-proof design – firmware updateable over the air
- Multiple antenna options available
- FCC certified
- Five-year limited warranty

OVERVIEW
Hubbell Building Automation's wiHUBB™ In-Fixture Module (IFM) is a self-contained intelligent wireless control module. It contains either one or two independently-controlled outputs. The two-output version can be used for High/Low or alternate ballast switching. An optional 0-10VDC output is also available for full-range dimming control of dimmable ballasts and LED drivers. Each wiHUBB IFM can control one or more fixtures and can be individually controlled or grouped with other wiHUBB devices. The wiHUBB IFM communicates securely via 900MHz radio frequency to other devices within the wiHUBB wireless self-organizing and self-healing mesh network using 128-bit Advanced Encryption Standard (AES-128).

SPECIFICATIONS

Electrical Ratings (-1277 version)
- Input: 120-277VAC, 10A Max, 60Hz
- Output: 10A, Tungsten, 120VAC only
- 10A, Magnetic Ballast
- 5A, Electronic Ballast (max each relay)
- 1/4 H.P. Motor, 120 & 277VAC
- For (2) relay models the maximum combined output of both relays: 10A

Electrical Ratings (-347 version)
- Input: 347VAC, 10A Max, 60Hz
- Output: 10A, Ballast
- For (2) relay models the maximum combined output of both relays: 10A

Optional Dimming Interface
- 0-10VDC, 30mA output
- For use with low-voltage, two-wire dimming ballast and LED drivers

RF Frequency
- 902 - 928MHz
- Wireless Peer-To-Peer; Self-Organizing and Self-Healing Mesh Network
- Advanced Encryption Standard AES-128 Security
- Spread Spectrum Frequency Hopping

RF Range
- Supported distance between wireless devices: 100 meters (328 feet)
- Maximum Transmission Output Power: +20 dBm
- Maximum Receive Sensitivity: -118 dBm

Operating Environment
- Operating Temperature: -40°C to +90°C
- Relative humidity (non-condensing): 0 – 95%
**Construction**
- Housing: GSM UL Rated 94 HB Plastic

**Size and Weight**
- Size: 5.30"L x 1.27"W x 1.08"H
- Weight: 4 oz

**Color**
- Gray

**Mounting**
- Mounts inside fixture ballast cavity or housing
- Optional mounting adaptor available (pn WH-IM-ADAPTER) for external junction box mounting

**Patents**
- Patent(s) Pending

**Certifications**
- Conforms with UL916 and Certified to CAN/CSA C22.2 No. 205-M1983
- FCC Certified
- IC Approved

**Warranty**
- Five-year limited

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**HOW TO ORDER**

**DIMENSIONAL DRAWINGS**

**WIRING DIAGRAM**

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**Hubbell Building Automation, Inc.**

9601 Dessau Road  Building One  Austin, Texas 78754

(512) 450-1100  (512) 450-1215  fax

hubbell-automation.com
Garmire IronWorks, Inc.
8610-219th St. S.E. • Woodinville, WA 98072-8010
(425) 821-7283 • Fax (425) 485-8420

**QTY. 6 ADAPTER PLATES-HDG-FOR PORT OF SOUTH WHIDBEY**

| 3/4"A36 PLATE X 20" X 20" SQUARE ALL HOT DIP GALVANIZED AFTER FABRICATION |
| 4"DIAMETER CENTER HOLE |
| (4) 3/4" X 4" TALL ALL THREAD AT 90-DEGREES ON A 9-1/4" BOLT CIRCLE |
| (4) 5/8" WIDE X 1" LONG BOLT SLOTS AT 90-DEGREES ON A 20-7/8" BOLT CIRCLE (CUSTOMER TO CONFIRM EXISTING BOLT CIRCLE AND BOLT DIAMETER PRIOR TO FABRICATION) |
Specifications

STS-LED
60 Light Emitting Diodes
Total Max System Watts = 73W
Maximum Weight = 45 lbs.

Housing: One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral cooling fins on top surfaces above the optical chamber and electrical compartment. A solid barrier wall separates the optical and electrical compartments, with gasketed wire penetrations. A double-thick wall with gaskets is provided on the support arm mounting end. All hardware is stainless steel.

Lens Frame: One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with a 1" minimum thickness around the gasket flange for rigidity. Integral hinges with stainless steel pins provide no-tool mounting and removal from the housing. Two stainless steel thumb-latches are recessed into the front corners, concealed from normal view. Lens frame seals against the housing by a one-piece extruded silicone gasket with vulcanized and cured. Clear 3/8" thick tempered flat glass is retained in the frame by eight clips with full silicone gasketing around the perimeter.

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Optical Module: Precision, replaceable MicroEmitters are positioned to achieve directional control toward desired task. Secondary MicroEmitters surround the module to redirect light downward. No fasteners are placed on the reflective surface. The entire Emitter Deck fastens to the housing as a one-piece module.

Support Arm: One-piece extruded aluminum with internal bolt guides. Lumininaire-to-pole attachment is by internal draw bolts, and includes a pole reinforcing plate with wire strain relief. For mounting to round poles, arm is circular cut for precise mating to the pole diameter.

Finish/Color: Finish is Super TQC thermoplastic powder coat paint, 2.5 mil nominal thickness, applied over a titaizned zirconium conversion coating; A.S.T.M. 2500 hour salt spray test endurance rating; Standard colors are black, Dark Bronze, Light Gray, Stealth Gray™, Platinum Silver, or White. Custom colors are available.

Warranty: Kim Lighting warrants Structural LED products (“Products”) sold by Kim Lighting to be free from defects in material and workmanship for (i) a period of five (5) years for metal parts, (ii) a period of ten (10) years for exterior housing paint finishes, (iii) a period of six (6) years for LED Light Engines (MicroEmitters) and, (iv) a period of five (5) years for LED power components (LED Driver, LifeShield™, Surge Protector), from the date of sale of such goods to the buyer as specified in Kim Lighting shipment documents for each product.

CAUTION: Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

Listings and Ratings

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<td>UL 1598</td>
<td>IP66 Rated</td>
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<tr>
<td>CE</td>
<td>25°C Ambient</td>
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</tbody>
</table>

Full Cut Off® (Flat Glass Lens Only) | Cutoff (Corner Glass Lens Only) |

*Suitable for wet locations

Dark Sky Compliant

Kim Lighting reserves the right to change specifications without notice.

© 2011 Kim Lighting • P.O. Box 60080, City of Industry, CA 91746-0800 • Tel: 626/668-5666 • Fax: 626/369-3995
**Standard Features**

**Mounting**
STS is available for round poles only.

**Plan View:**
- EPA: 1, 2, 2, 1.5, 2.6, 2.6, 2.7
- Cat. No.: [ ] 1SA, [ ] 2SB, [ ] 2SL, [ ] 3ST, [ ] 3SY, [ ] 4SC, [ ] 1W

**Fixture**
Cat. No. designates STS-led fixture and optic.

**Light Distribution:**
- Type II
- Type III
- Type IV Forward Throw
- Type V Square
- Type R Right
- Type L Left

**Electrical Module**
Cat. Nos. for Electrical Modules available:
- 0, 1xK

**Source:**
- 60 = 60 LED's

**Voltage:**
- 120 = 120V
- 277 = 277V
- 240 = 240V
- 480 = 480V

**Color Temperature:**
- 3000K = 3000K
- 5100K = 5100K
- 5800K = 5800K

*Additional notes: 3000K and 5800K are also available on an "Engineered-to-Order" (ETO) basis.
Due to current unavailability of 347V and 480V drivers, specification of these voltages may feature an integral step-down transformer.*

<table>
<thead>
<tr>
<th>Fixture</th>
<th>Total System Watts</th>
<th>Volt</th>
<th>Operating Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>STS-Small</td>
<td>73</td>
<td>120</td>
<td>0.61</td>
</tr>
<tr>
<td>STS-Small</td>
<td>73</td>
<td>240</td>
<td>0.30</td>
</tr>
<tr>
<td>STS-Small</td>
<td>73</td>
<td>277</td>
<td>0.28</td>
</tr>
<tr>
<td>STS-Small</td>
<td>73</td>
<td>347</td>
<td>0.21</td>
</tr>
<tr>
<td>STS-Small</td>
<td>73</td>
<td>480</td>
<td>0.15</td>
</tr>
</tbody>
</table>

**Finish**
Super TGIC powder coat paint over titanated zirconium conversion coating.

**Color:** Black, Dark Bronze, Light Gray, Stealth Gray*, Platinum Silver, White, Custom Color

*Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description:
### Optional Features

<table>
<thead>
<tr>
<th>Fusing</th>
<th>Line Volts:</th>
<th>120V</th>
<th>208V</th>
<th>240V</th>
<th>277V</th>
<th>347V</th>
<th>480V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat. No.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>See right</td>
<td>No Option</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No Option</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Pole Mounted Structural Options | TS - Single Tension Rod: Rod has die-cast aluminum clevis which fasten to die-cast aluminum cleats. Fixture cleat is factory mounted, and includes a silicone gasket. Pole cleat is field mounted, and is circular cut for precise mating to round poles. Rod diameter is .406". All fasteners are blackened stainless steel. All Kim poles are pre-drilled to accept fixture arm and tension rod cleat. |
| Cat. No. | (See right) | No Option |
| No Option |
| Mounting: | 1SA | 2SB | 2SL | 3ST | 3SY | 4SC |
| EPA: | 1.2 | 2.4 | 1.6 | 2.8 | 2.8 | 2.9 |

| TD - Double Tension Rods: Rods have die-cast aluminum end brackets which fasten to die-cast aluminum cleats. Fixture cleats are factory mounted, and include silicone gaskets. Pole cleat is field mounted, and is circular cut for precise mating to round poles. Rod diameter is .406". All fasteners are blackened stainless steel. All Kim poles are pre-drilled to accept fixture arm and tension rod cleats. |
| Cat. No. | TDP | See right |
| See right |
| No Option |
| Mounting: | 1SA | 2SB | 2SL | 3ST | 3SY | 4SC |
| EPA: | 1.25 | 2.5 | 1.65 | 2.9 | 2.9 | 3.0 |

| TR - Truss: Cast aluminum truss is fastened to die-cast aluminum cleats. Fixture cleat is factory mounted, and includes a silicone gasket. Pole cleats are field mounted, and are circular cut for precise mating to round poles. Truss members are 3/8" square. All fasteners are blackened stainless steel. All Kim poles are pre-drilled to accept fixture arm and truss cleats. |
| Cat. No. | TR | See right |
| See right |
| No Option |
| Mounting: | 1SA | 2SB | 2SL | 3ST | 3SY | 4SC |
| EPA: | 1.4 | 2.8 | 1.9 | 3.3 | 3.3 | 3.4 |

© 2011 KIM LIGHTING - P.O. BOX 60280, CITY OF INDUSTRY, CA 91716-0280 • TEL: 626/906-5895 • FAX: 626/906-2895
Lumen Performance Charts

NOTES:

1. Lumen loss stabilization is a result of Kim Lighting's MicroEmitter™ luminaire exclusive Lifeshield™ Protection System and Dual Heat Management.

2. The Lifeshield™ Protection System will lower the current to the LEDs significantly if the luminaire is exposed to direct heat (sun) or excessive abnormal conditions.

3. Lumen Loss tables are based on LM80 results and an actual outdoor product testing based upon 5100K CCT, 350mA drive current, 25°C/77°F tab ambient and cathode temperature at 85°C/185°F. Assumptions past 6,000 hours are interpolated.

4. Cathode temperature baseline is at 85°C/185°F. If cathode temperature increases during ambient changes and abnormal environment conditions, % of rated lumens will slightly decrease.

5. Outdoor ambient temperatures are assumed SITU average by geographic region.

6. As Solid State Lighting technology and thermal management systems continually advance, lumen loss projections are subject to improvement.
Wireless Lighting Controls

wiHUBB™ Smart Pack

KEY FEATURES
• Single or dual relay versions for On/Off or High/Low control
• Optional 0 – 10VDC interface for full range dimming control
• Plug-and-play support for wiHUBB occupancy sensors, daylight sensors and switch stations
• Device intelligently and automatically responds to sensors and switches in the most energy-efficient manner
• Schedules are held in the devices themselves – no need for a master scheduling device
• Monitors, measures, and records energy consumption and runtime data
• Retains data during power outages
• Robust & reliable 900MHz wireless self-organizing and self-healing mesh network
• Future-proof design – firmware updateable over the air
• FCC certified
• Five-year limited warranty

OVERVIEW
Hubbell Building Automation’s wiHUBB™ Smart Pack is a self-contained intelligent wireless power pack. It contains either one or two independently-controlled outputs. The two output version can be used for High/Low or alternate circuit switching. An optional 0-10VDC output is also available for full range dimming control of dimmable ballasts and LED drivers. Each wiHUBB Smart Pack can control one or more circuits and can be individually controlled or grouped with other wiHUBB devices. The wiHUBB Smart Pack also features SmartPORT technology that provides plug-and-play support for wiHUBB occupancy sensors, daylight sensors and manual control switches. When devices are plugged into the SmartPORT’s, the Smart Pack automatically and intelligently responds to the plugged-in devices to provide the most energy-efficient operation. The wiHUBB Smart Pack communicates securely via 900MHz radio frequency to other devices within the wiHUBB wireless self-organizing and self-healing mesh network.

SPECIFICATIONS

Electrical Ratings
• Input: 120/277VAC, 20A Max, 60Hz
• Output*: 20A, Tungsten, 120VAC only
20A, Magnetic Ballast
16A, Electronic Ballast
1 H.P. Motor @120V, 3/4 H.P. @277V
*For (2) relay models the maximum combined output of both relays: 20A
Low Voltage Ports:
• Class 2
• 24VDC, 150mA MAX (all outputs combined)

Optional Dimming Interface
• 0-10VDC, 30mA output
• For use with low-voltage, two-wire dimming ballast and LED drivers.
RF Frequency
- 902 - 928MHz
- Wireless Peer-To-Peer, Self-Organizing and Self-Healing Mesh Network
- Advanced Encryption Standard AES-128 Security
- Spread Spectrum Frequency Hopping

RF Range
- Supported distance between wireless devices: 100 meters (332 feet)
- Maximum Transmission Output Power: +20 dBm
- Maximum Receive Sensitivity: -118 dBm

Operating Environment
- Operating Temperature: 0°C to +40°C
- Relative humidity (non-condensing): 0 – 95%

Construction
- Housing: GSM UL Rated 94 HB Plastic

Plenum rated
- Complies with requirements for use in a plenum area
- Plenum rated for external junction box mounting

Size and Weight
- Size: 5.75"L x 3.85"W x 1.30"H
- Weight: 4 oz

Color
- Gray

Mounting
- Mounts directly to an external junction box through an extended 1/4" chase nipple.

Patents
- Patent(s) Pending

Certifications
- Conforms with UL916 and Certified to CAN/CSA C22.2 No. 205-M1983
- FCC Certified
- IC Approved

Warranty
- Five-year limited

HOW TO ORDER

WIRING DIAGRAM

Dimming Ballast #1

Dimming Ballast #2

2-Relay Version

wHUBB Smart Pack

wHUBB SmartPORTs for wHUBB Control Devices

Hubbell Building Automation, Inc.
9601 Dessau Road, Building One, Austin, Texas 78754
(512) 450-1100 (512) 450-1215 fax
hubbell-automation.com
Wireless Lighting Controls
wiHUBB™ Switch Stations

KEY FEATURES
• Attractive, architecturally-pleasing decorator style design
• Multiple switch options available
• All switches mount to standard single or multi-gang wall boxes
• Plug-and-play integration with wiHUBB Smart Pack
• Five-year limited warranty

OVERVIEW
Hubbell Building Automation’s wiHUBB™ Switch Stations provide manual control of the wiHUBB System. The wiHUBB Switch Stations include an On/Off switch, a High/Low/Off switch for multiple level lighting control, an On/Raise/Lower/Off switch, a 4-button Preset switch for scene control, a General—A/V switch that enables users to switch between General Lighting and Audio Visual Lighting, a Raise/Lower dimmer switch and a Timed On switch. All wiHUBB Switch Stations provide plug-and-play integration with the wiHUBB Smart Pack.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Power Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Powered by wiHUBB Smart Pack SmartPORT using plenum rated SmartPORT plug-and-play cables (ordered separately)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operating environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor use only</td>
</tr>
<tr>
<td>Operating Temperature: 0°C to +40°C</td>
</tr>
<tr>
<td>Relative humidity (non-condensing): 0% - 95%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing – Rugged, high impact, injection molded plastic</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size &amp; Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size: 4.2” L x 1.6” W x 1.4” D</td>
</tr>
<tr>
<td>Weight: 1.6 oz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switches may be mounted individually in a single gang switch box or ganged together in a multi-gang switch box</td>
</tr>
<tr>
<td>Decorator-style wall plates available separately</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patent(s) Pending</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Warranty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Five-year limited</td>
</tr>
</tbody>
</table>

Hubbell Building Automation, Inc. 9601 Dessau Road Building One Austin, Texas 78754 (512) 450-1100 (512) 450-1215 fax hubbell-automation.com 8.2011
HOW TO ORDER

MODEL

SWITCH TYPE
OD On/Off Switch
HLO High/Low/Off Switch
OHLO On/Remote/Loader/Off Switch
PRESET Preset/Scene Switch
(4-button)
GAV General – A/V Mode Switch
TL Duct/Climate Switch
10 Timed On Switch

COLOR
WH White

Switch Cables

MODEL / DESCRIPTION
WH-CAB-50F-BL SmartPORT/Key-50F, 16A, 3-Pole
WH-CAB-100F-BL SmartPORT/Key-100F, 16A, 3-Pole
WH-CAB-200F-BL SmartPORT/Key-200F, 16A, 3-Pole

Decorative Style Wall Plates

MODEL
WH-WP

DESCRIPTION
3G Wall Switch Plate, Decorator Style, 3-gang
2G Wall Switch Plate, Decorator Style, 2-gang
3G Wall Switch Plate, Decorator Style, 3-gang
4G Wall Switch Plate, Decorator Style, 4-gang
5G Wall Switch Plate, Decorator Style, 5-gang

COLOR
WH White

WIRING DIAGRAMS

Additional wHUBB SmartPOINTS for wHUBB Control Devices

wHUBB Smart Pack

wHUBB Switch Stations

Hubbell Building Automation, Inc.
9601 Dessau Road, Building One, Austin, Texas 78754
(512) 450-1100 (512) 450-1215 fax
hubbell-automation.com
Wireless Lighting Controls

**wiHUBB™ In-fixture Module**

**KEY FEATURES**
- Single or dual relay versions for On/Off or High/Low control
- Optional 0 – 10VDC interface for full range dimming control
- Device intelligently and automatically responds to sensors and switches in the most energy-efficient manner
- Schedules are held in the devices themselves – no need for a master scheduling device
- Monitors, measures, and records energy consumption and runtime data
- Retains data during power outages
- Robust & reliable 900MHz wireless self-organizing and self-healing mesh network
- Future-proof design – firmware updateable over the air
- Multiple antenna options available
- FCC certified
- Five-year limited warranty

**OVERVIEW**

Hubbell Building Automation’s wiHUBB™ In-Fixture Module (IFM) is a self-contained intelligent wireless control module. It contains either one or two independently-controlled outputs. The two-output version can be used for High/Low or alternate ballast switching. An optional 0-10VDC output is also available for full-range dimming control of dimmable ballasts and LED drivers. Each wiHUBB IFM can control one or more fixtures and can be individually controlled or grouped with other wiHUBB devices. The wiHUBB IFM communicates securely via 900MHz radio frequency to other devices within the wiHUBB wireless self-organizing and self-healing mesh network using 128-bit Advanced Encryption Standard (AES-128).

**SPECIFICATIONS**

**Electrical Ratings (-1277 version)**
- **Input:** 120-277VAC, 10A Max, 60Hz
- **Output:** 10A, Tungsten, 120VAC only
  - 10A, Magnetic Ballast
  - 5A, Electronic Ballast (max each relay)
  - 1/2 H.P. Motor, 120 & 277VAC
  - For (2) relay models the maximum combined output of both relays: 10A

**Electrical Ratings (-347 version)**
- **Input:** 347VAC, 10A Max, 60Hz
- **Output:** 10A, Ballast
  - For (2) relay models the maximum combined output of both relays: 10A

**Optional Dimming Interface**
- 0-10VDC, 30mA output
- For use with low-voltage, two-wire dimming ballast and LED drivers.

**RF Frequency**
- 902 - 928MHz
- Wireless Peer-To-Peer, Self-Organizing and Self-Healing Mesh Network
- Advanced Encryption Standard AES-128 Security
- Spread Spectrum Frequency Hopping

**RF Range**
- Supported distance between wireless devices: 100 meters (328 feet)
- Maximum Transmission Output Power: +20 dBm
- Maximum Receive Sensitivity: -118 dBm

**Operating Environment**
- Operating Temperature: -40°C to +90°C
- Relative humidity (non-condensing): 0 – 95%

Hubbell Building Automation, Inc.
9601 Dessau Road
Austin, Texas 78754
(512) 450-1100 (512) 450-1215 fax
hubbell-automation.com
8.2011
Construction
- Housing: GSM UL Rated 94 HB Plastic

Size and Weight
- Size: 5.50"L x 1.27"W x 1.08"H
- Weight: 4 oz

Color
- Gray

Mounting
- Mounts inside fixture ballast cavity or housing
- Optional mounting adaptor available (p/n WH-IM-ADAPTER) for external junction box mounting

Patents
- Patent(s) Pending

Certifications
- Conforms with UL916 and Certified to CAN/CSA C22.2 No. 205-M1983
- FCC Certified
- IC Approved

Warranty
- Five-year limited

HOW TO ORDER

MODEL
WH-IM

INPUT VOLTAGE
1277 120/277VAC

DIMENSIONAL DRAWINGS

ACCESSORY

MODEL
WH-IM

ADAPTER
In-Fixture Module 3-Box Mounting Adapter

WIRING DIAGRAM

HUBBELL
Building Automation, Inc.

Hubbell Building Automation, Inc.
9601 Dessau Road - Building One Austin, Texas 78754
(512) 450-1100   (512) 450-1215 fax
hubbell-automation.com
**Details of Hinged Anchor Base Pole**

**Top of Pole Details**
- **4" Aluminum Pole Top**
- Made with (3) set screws @ 120° apart
- **Drill for 1 Fixtures**
  - Located @ 0° to the right of Handhole
  - (See "Drilling Detail")

**Factory Installed Vibration Damper**
- Located 9"-7" from butt of pole

**Pole Shaft Fabricated**
- From 8063-T4 aluminum tube
- Pole assembly is heat treated to T6 condition after welding

**Pole Hinge Direction Label**
- Aluminum drive screw for retaining hinge pin

**Detail B**
- **4" O.D. X .125" Wall**
- **2 3/8" X 4" Reinforced Aluminum Handhole Opening with 3/8"-16 hole for a ground connector and flush fitting aluminum door @ 180° right of hinge**

**Cast Aluminum Hinged Anchor Base**
- See "Detail A" & "Detail B"

**Foot, Reinforcing Rod, and PVC Conduit**
- (By Others)

**Drilling Details**
- Customer to specify drilling requirement for tension rod
- (2) 1/2" dia. holes
- 3/4" dia. wire access hole (Deburr all sharp edges)

**Detail A**
- **2 1/2" X 0.33"**
- **1 1/4" X 0.33"**
- **1 3/4" X 0.33"**

**Type S14A**

---

**Valmont Industries, Inc.**
20605 Eaton Ave
Farmington, Minnesota 55024-7032
Phone: (651) 463-8900 (651) 690-7877
Fax: (651) 463-3349

**Valmont Industries, Inc. Structures Division**

---

**Notes:**
- Two piece collar not shown
- 8 1/2" dia. Min. bolt circle
- 10" dia. Max. bolt circle

---

**Confidential**
The information contained in this drawing is privileged and confidential, and may be protected from disclosure. Please be aware that any use or dissemination of this drawing may be subject to legal restriction or sanction.
Garmire IronWorks, Inc.
8610-219th St. S.E. • Woodinville, WA 98072-8010
(425) 821-7283 • Fax (425) 485-8420

QTY. 6 ADAPTER PLATES-HDG-FOR PORT OF SOUTH WHIDBEY

3/4" A36 PLATE X 20" X 20" SQUARE ALL HOT DIP GALVANIZED AFTER FABRICATION

4" DIAMETER CENTER HOLE

(4) 3/4" X 4" TALL ALL THREAD AT 90-DEGREES ON A 9-1/4" BOLT CIRCLE

(4) 5/8" WIDE X 1" LONG BOLT SLOTS AT 90-DEGREES ON A 20-7/8" BOLT CIRCLE (CUSTOMER TO CONFIRM EXISTING BOLT CIRCLE AND BOLT DIAMETER PRIOR TO FABRICATION)
Wireless Lighting Controls

**wiHUBB™ Access Point**

**KEY FEATURES**

- Web-based commissioning and monitoring of the wiHUBB lighting control system
- Integrated web server provides connection via standard web browsers
- Easy system access from the local network or Internet
- Intuitive and easy-to-use Graphical User Interface (GUI)
- Ability to schedule wiHUBB-enabled devices or groups of devices
- Provides On/Off and dimming control of wiHUBB-enabled devices and groups of devices
- View power consumption from each device
- Robust & reliable 900MHz wireless self-organizing and self-healing mesh network
- FCC certified
- Five-year limited warranty

**OVERVIEW**

Hubbell Building Automation’s wiHUBB™ Access Point is a user-friendly, web-based device for commissioning and monitoring devices within the wiHUBB wireless mesh network. The intuitive and easy-to-use Graphical User Interface (GUI) provides building owners and facility managers with the ability to schedule and control individual wiHUBB-enabled devices or groups of devices. The wiHUBB Access Point communicates securely over wired TCP/IP connections using HTTPS/SSL. When transmitting over the 900MHz radio frequency to other devices within the wiHUBB wireless self-healing mesh network, the wiHUBB Access Point uses 128-bit Advanced Encryption Standard (AES-128).

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Power Requirements</th>
<th>120VAC with plug-in power supply (included)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF Frequency</td>
<td>902 - 928MHz</td>
</tr>
<tr>
<td></td>
<td>Wireless Peer-To-Peer, Self-Organizing and Self-Healing Mesh Network</td>
</tr>
<tr>
<td></td>
<td>Advanced Encryption Standard AES-128 Security</td>
</tr>
<tr>
<td></td>
<td>Spread Spectrum Frequency Hopping</td>
</tr>
<tr>
<td>RF Range</td>
<td>Supported distance between wireless devices: 100 meters (328 feet)</td>
</tr>
<tr>
<td></td>
<td>Maximum Transmission Output Power: 20 dBm</td>
</tr>
<tr>
<td></td>
<td>Maximum Receive Sensitivity: -118 dBm</td>
</tr>
<tr>
<td>Operating Environment</td>
<td>Operating Temperature: 0°C to 40°C</td>
</tr>
<tr>
<td></td>
<td>Relative humidity (non-condensing): 0 – 95%</td>
</tr>
<tr>
<td>Construction</td>
<td>Housing: Flame retardant ABS plastic, UL flame rating of 94-SVA</td>
</tr>
<tr>
<td>Size and Weight</td>
<td>Size: 5.00&quot;L x 7.50&quot;W x 1.75&quot;H</td>
</tr>
<tr>
<td></td>
<td>Weight: 6 oz</td>
</tr>
<tr>
<td>Color</td>
<td>Black</td>
</tr>
<tr>
<td>Mounting</td>
<td>Surface or wall mount (mounting screws provided)</td>
</tr>
<tr>
<td>Patents</td>
<td>Patent(s) Pending</td>
</tr>
<tr>
<td>Certifications</td>
<td>FCC Certified</td>
</tr>
<tr>
<td></td>
<td>IC Approved</td>
</tr>
<tr>
<td>Warranty</td>
<td>Five-year limited</td>
</tr>
</tbody>
</table>

Hubbell Building Automation, Inc. 9601 Dessau Road Building One Austin, Texas 78754 (512) 450-1100 (512) 450-1215 fax hubbell-automation.com
STAFF REPORT
Design Review Board

Staff Contact: Jeff Arango, AICP – Director of Community Planning

Meeting Date: February 19, 2014

Application: DRB-14-005 – New Signage at 107B First Street (The Egg)

PROJECT DESCRIPTION

A new 2’x6’ artist designed and fabricated projecting sign. The sign will be three dimensional and fabricated out of metal and wood composite.

ANALYSIS

The proposed sign is reviewable by the Design Review Board in accordance with Langley Municipal Code (LMC) Sections 18.34.030(A) and 18.35. The consistency of these signs with LMC Chapter 18.35 is examined below:

1. **Purpose and Intent Statements.** The proposed sign is consistent with the Purpose and Intent statements regarding signage stated within the Langley Municipal Code. The signs are visually appropriate for the unique building-scape of the city, expressive of the identity of the store, without violating the character of the surroundings in which they are placed, and legible at the distance and pace at which they are to be seen.

2. **Size.** The signage is within the six square foot limit for projecting sign.

3. **Lighting.** None proposed.

PROPOSED FINDINGS AND CONCLUSIONS:

1. The City of Langley received a complete application on February 10, 2014 for a 2’x3’ projecting sign.

2. The sign is designed by local artists and is one-of-a-kind. The sign reflects the unique building-scape of the city and the unique identity of the business.

3. In accordance with Section 18.34.030(B) of the Langley Municipal Code, planning staff has reviewed the application for consistency with LMC Chapter 18.34 and recommends approval.

STAFF RECOMMENDATION:

Staff recommends the DRB approve application DRB-14-005 as presented.
Red tipped painted metal & wood composite sculptural signage
Copper steel egg lady
Painted steel "The Egg" rectangle sign
White background red lettering
Red painted on Tip of brush

RECTANGLE
“The EGG” painted in Red Letters with WHITE background

Red designs painted on metal guitar

RECTANGLE
“The EGG” painted in Red Letters with White Background

The Egg Sculpture is a Metal & Wood Composite

Design & Construction by Piper Reva & Tim Leonard
Installation by Tim Leonard
STAFF REPORT
Design Review Board

Staff Contact: Jeff Arango, AICP – Director of Community Planning

Meeting Date: February 19, 2014

Application: DRB-14-006 – New Signage at 111 First Street (Trillium Home & Design)

PROJECT DESCRIPTION

Three new signs are proposed including two window graphic signs and a projecting signs. All signs comply with the size limitations per the Langley Municipal Code.

ANALYSIS

The proposed sign is reviewable by the Design Review Board in accordance with Langley Municipal Code (LMC) Sections 18.34.030(A) and 18.35. The consistency of these signs with LMC Chapter 18.35 is examined below:

1. **Purpose and Intent Statements.** The proposed signs are generally consistent with the Purpose and Intent statements regarding signage stated within the Langley Municipal Code. The signs are visually appropriate for the unique building-scape of the city, expressive of the identity of the store, without violating the character of the surroundings in which they are placed, and legible at the distance and pace at which they are to be seen. However, more details need to be provided with respect to the design of the projecting sign.

2. **Size.** The signage is within 20 square foot limit per business.

3. **Lighting.** None proposed.

PROPOSED FINDINGS AND CONCLUSIONS:

1. The City of Langley received a complete application on February 12, 2014 for a 2’x3’ projecting sign and two window graphic signs [4 sf each].
2. A graphic of the projecting sign was not submitted with the application.
3. In accordance with Section 18.34.030(B) of the Langley Municipal Code, planning staff has reviewed the application for consistency with LMC Chapter 18.34 and recommends partial approval.

STAFF RECOMMENDATION:

Staff recommends the DRB approve the two window graphic signs as presented. Staff recommends the DRB request the applicant provide a specific design proposal for the projecting sign.
Trillion Home & Design

Business Name on Store Front Windows @ 1111 1st Street Langley WA 98260

No greater than 8" x 72" (total of 8 square feet)

White lettering on upper center of front two north facing windows

Similar To Prima Stella

6/8" Mounting Leverage Close to Window. Colorado,

No Leverage. 72" x 83". Staffordshire House

HA

Adjustable

HA2"